

GenCore version 5.1.4_p5_4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 15:01:04 ; Search time 225 Seconds
(without alignments)
16092.417 Million cell updates/sec

Title: US-10-006-911-3
Perfect score: 5421
Sequence: 1 ccgggacccggttttttttg.....tgtttcaaaaaaaaaaaaaa 5421

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 478924 seqs, 333959956 residues

Total number of hits satisfying chosen parameters. 261222

Minimum DB seq length: 0
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database . Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30.6	0.6	31	10	US-09-801-274-92
2	30.6	0.6	31	10	US-09-801-274-93
3	28.8	0.5	45	10	US-09-263-959-486
4	27.8	0.5	50	10	US-09-815-343-1012
5	27.6	0.5	50	10	US-09-783-590-6670
6	27.2	0.5	46	10	US-09-827-289-22
7	27.2	0.5	46	10	US-09-827-289-26
8	26.6	0.5	41	10	US-09-263-959-591
9	26.4	0.5	46	10	US-09-827-289-24
10	26.2	0.5	40	10	US-09-828-034-1
11	26.2	0.5	50	10	US-09-896-856-5
12	26	0.5	42	9	US-09-876-235-11
13	26	0.5	42	9	US-09-876-235-13
14	25.8	0.5	45	10	US-09-827-289-14
15	25.8	0.5	45	10	US-09-827-289-18
16	25.6	0.5	46	10	US-09-827-289-20
17	25.6	0.5	50	10	US-09-896-856-5
18	25.4	0.5	50	10	US-09-836-077-19
19	25.2	0.5	39	9	US-10-208-357-4
Sequence 92, Appl					
Sequence 93, Appl					
Sequence 486, App					
Sequence 1012, Ap					
Sequence 6670, Ap					
Sequence 22, Appl					
Sequence 26, Appl					
Sequence 591, App					
Sequence 24, Appl					
Sequence 1, Appli					
Sequence 5, Appli					
Sequence 11, Appl					
Sequence 13, Appl					
Sequence 14, Appl					
Sequence 19, Appl					
Sequence 20, Appl					
Sequence 5, Appli					
Sequence 19, Appl					
Sequence 4, Appli					

C	20	24.8	0.5	37	10	US-09-263-959-815	Sequence 815, App
C	21	24.8	0.5	40	10	US-09-263-959-458	Sequence 458, App
C	22	24.8	0.5	44	9	US-10-094-183-9	Sequence 9, Appli
C	23	24.8	0.5	44	9	US-10-094-183-9	Sequence 9, Appli
C	24	24.8	0.5	45	9	US-09-894-916-3	Sequence 3, Appli
C	25	24.8	0.5	46	10	US-09-827-289-21	Sequence 21, Appl
C	26	24.8	0.5	46	10	US-09-827-289-25	Sequence 25, Appl
C	27	24.6	0.5	41	10	US-09-920-581-9	Sequence 9, Appli
C	28	24.4	0.5	36	10	US-09-828-034-2	Sequence 2, Appli
C	29	24.4	0.5	42	9	US-09-876-235-12	Sequence 12, Appl
C	30	24.4	0.5	45	10	US-09-827-289-14	Sequence 14, Appl
C	31	24.4	0.5	45	10	US-09-827-289-18	Sequence 18, Appl
C	32	24.4	0.5	46	10	US-09-827-289-21	Sequence 21, Appl
C	33	24.4	0.5	46	10	US-09-827-289-25	Sequence 25, Appl
C	34	24.2	0.4	44	9	US-10-208-357-5	Sequence 5, Appli
C	35	24.2	0.4	45	9	US-10-043-415-1	Sequence 1, Appli
C	36	24.2	0.4	45	10	US-09-827-289-12	Sequence 12, Appl
C	37	24.2	0.4	45	10	US-09-827-289-16	Sequence 16, Appl
C	38	24	0.4	36	10	US-09-828-034-3	Sequence 3, Appli
C	39	24	0.4	42	9	US-09-876-235-12	Sequence 12, Appl
C	40	24	0.4	45	10	US-09-838-386-17	Sequence 17, Appl
C	41	24	0.4	45	10	US-09-838-386-18	Sequence 18, Appl
C	42	24	0.4	45	10	US-09-827-289-13	Sequence 13, Appl
C	43	24	0.4	45	10	US-09-827-289-17	Sequence 17, Appl
C	44	24	0.4	46	10	US-09-827-289-22	Sequence 22, Appl
C	45	24	0.4	46	10	US-09-827-289-26	Sequence 26, Appl
C	46	23.8	0.4	27	10	US-09-735-363A-6	Sequence 6, Appli
C	47	23.8	0.4	30	9	US-10-217-914-4	Sequence 4, Appli
C	48	23.6	0.4	44	9	US-10-208-357-5	Sequence 5, Appli
C	49	23.6	0.4	48	9	US-09-822-789-1	Sequence 1, Appli
C	50	23.6	0.4	48	9	US-09-822-789-2	Sequence 2, Appli
C	51	23.4	0.4	26	9	US-09-922-469-7	Sequence 7, Appli
C	52	23.4	0.4	26	10	US-09-922-480-7	Sequence 7, Appli
C	53	23.4	0.4	26	10	US-09-923-236-7	Sequence 38, Appl
C	54	23.4	0.4	26	10	US-09-923-246-38	Sequence 538, App
C	55	23.4	0.4	26	10	US-09-263-959-538	Sequence 3, Appli
C	56	23.4	0.4	36	10	US-09-828-034-2	Sequence 3, Appli
C	57	23.4	0.4	36	10	US-09-828-034-3	Sequence 2, Appli
C	58	23.4	0.4	38	9	US-10-208-357-2	Sequence 9, Appli
C	59	23.4	0.4	41	10	US-09-920-581-9	Sequence 3, Appli
C	60	23.4	0.4	45	9	US-09-894-916-3	Sequence 198, App
C	61	23.4	0.4	47	9	US-09-853-526-198	Sequence 275, App
C	62	23.4	0.4	47	9	US-09-853-526-275	Sequence 8, Appli
C	63	23.4	0.4	47	9	US-10-180-819-12	Sequence 1, Appli
C	64	23.4	0.4	47	9	US-10-208-357-10	Sequence 2, Appli
C	65	23.4	0.4	47	10	US-09-901-484A-198	Sequence 198, App
C	66	23.4	0.4	47	10	US-09-901-484A-275	Sequence 275, App
C	67	23.2	0.4	29	9	US-09-282-734-3	Sequence 3, Appli
C	68	23.2	0.4	29	9	US-09-876-235-8	Sequence 8, Appli
C	69	23.2	0.4	30	9	US-10-042-193A-1	Sequence 1, Appli
C	70	23.2	0.4	30	9	US-10-042-193A-2	Sequence 2, Appli
C	71	23.2	0.4	33	10	US-09-263-959-925	Sequence 825, App
C	72	23.2	0.4	39	9	US-10-208-357-4	Sequence 4, Appli
C	73	23.2	0.4	47	9	US-10-180-819-12	Sequence 12, Appl
C	74	23.2	0.4	47	9	US-10-208-357-10	Sequence 10, Appl
C	75	23.2	0.4	50	10	US-09-815-343-1012	Sequence 1012, Ap
C	76	23	0.4	30	10	US-09-891-517-8	Sequence 8, Appli
C	77	23	0.4	38	9	US-10-208-357-2	Sequence 2, Appli
C	78	23	0.4	45	10	US-09-827-289-13	Sequence 13, Appl
C	79	23	0.4	45	10	US-09-827-289-17	Sequence 17, Appl
C	80	22.8	0.4	36	10	US-09-828-034-5	Sequence 5, Appli
C	81	22.8	0.4	41	10	US-09-838-386-15	Sequence 15, Appl
C	82	22.8	0.4	42	9	US-09-876-235-11	Sequence 11, Appl
C	83	22.8	0.4	42	9	US-09-876-235-13	Sequence 13, Appl
C	84	22.6	0.4	26	9	US-09-922-469-6	Sequence 6, Appli
C	85	22.6	0.4	26	9	US-10-039-876A-10	Sequence 10, Appl
C	86	22.6	0.4	26	10	US-09-922-480-6	Sequence 6, Appli
C	87	22.6	0.4	26	10	US-09-923-236-6	Sequence 6, Appli
C	88	22.6	0.4	45	9	US-09-999-724-77	Sequence 77, Appl
C	89	22.6	0.4	47	9	US-09-853-526-198	Sequence 198, App
C	90	22.6	0.4	47	9	US-09-853-526-275	Sequence 275, App
C	91	22.6	0.4	47	10	US-09-901-484A-198	Sequence 198, App
C	92	22.6	0.4	47	10	US-09-901-484A-275	Sequence 275, App

C 93	22.6	0.4	49	10	US-09-833-498-5	Sequence 5, Appli	Sequence 5, Appli
C 94	22.6	0.4	50	10	US-09-070-844-9	Sequence 9, Appli	Sequence 9, Appli
C 95	22.4	0.4	24	9	US-10-043-415-4	Sequence 4, Appli	Sequence 4, Appli
C 96	22.4	0.4	24	9	US-09-920-313-149	Sequence 148, App	Sequence 148, App
C 97	22.4	0.4	24	9	US-09-949-305B-6	Sequence 6, Appli	Sequence 6, Appli
C 98	22.4	0.4	24	9	US-09-888-326-841	Sequence 841, App	Sequence 841, App
C 99	22.4	0.4	24	10	US-09-920-342-12	Sequence 12, Appl	Sequence 12, Appl
C 100	22.4	0.4	25	9	US-09-282-734-23	Sequence 23, Appl	Sequence 23, Appl
C 101	22.4	0.4	26	9	US-09-092-296-10	Sequence 10, Appl	Sequence 10, Appl
C 102	22.4	0.4	26	9	US-09-949-305B-4	Sequence 4, Appli	Sequence 4, Appli
C 103	22.4	0.4	26	10	US-09-099-823-14	Sequence 14, Appl	Sequence 14, Appl
C 104	22.4	0.4	26	10	US-09-923-246-39	Sequence 39, Appl	Sequence 39, Appl
C 105	22.4	0.4	26	10	US-09-920-342-3	Sequence 3, Appli	Sequence 3, Appli
C 106	22.4	0.4	27	9	US-09-888-326-842	Sequence 842, App	Sequence 842, App
C 107	22.4	0.4	29	9	US-09-282-734-3	Sequence 3, Appli	Sequence 3, Appli
C 108	22.4	0.4	29	9	US-09-876-235-8	Sequence 8, Appli	Sequence 8, Appli
C 109	22.4	0.4	30	10	US-09-891-517-7	Sequence 7, Appli	Sequence 7, Appli
C 110	22.4	0.4	36	10	US-09-828-034-4	Sequence 4, Appli	Sequence 4, Appli
C 111	22.4	0.4	40	10	US-09-910-635-1	Sequence 1, Appli	Sequence 1, Appli
C 112	22.4	0.4	40	10	US-09-828-034-1	Sequence 1, Appli	Sequence 1, Appli
C 113	22.4	0.4	40	10	US-09-956-412-1	Sequence 1, Appli	Sequence 1, Appli
C 114	22.4	0.4	41	10	US-09-766-273-15	Sequence 15, Appl	Sequence 15, Appl
C 115	22.4	0.4	43	10	US-09-417-386-14	Sequence 14, Appl	Sequence 14, Appl
C 116	22.4	0.4	48	9	US-09-999-724-14	Sequence 14, Appl	Sequence 14, Appl
C 117	22.4	0.4	48	12	US-10-039-890-14	Sequence 14, Appl	Sequence 14, Appl
C 118	22.4	0.4	50	10	US-09-836-077-19	Sequence 19, Appl	Sequence 19, Appl
C 119	22.2	0.4	30	9	US-10-217-914-4	Sequence 4, Appli	Sequence 4, Appli
C 120	22.2	0.4	36	10	US-09-828 034-4	Sequence 4, Appli	Sequence 4, Appli
C 121	22	0.4	30	9	US-10-042-193A-1	Sequence 1, Appli	Sequence 1, Appli
C 122	22	0.4	30	9	US-10-042 193A-2	Sequence 2, Appli	Sequence 2, Appli
C 123	22	0.4	33	10	US-09-263-359-825	Sequence 825, App	Sequence 825, App
C 124	22	0.4	36	9	US-09-985-442-13	Sequence 13, Appl	Sequence 13, Appl
C 125	22	0.4	36	10	US-09-983 590-13	Sequence 13, Appl	Sequence 13, Appl
C 126	22	0.4	48	9	US-09-822-789-1	Sequence 1, Appli	Sequence 1, Appli
C 127	21.8	0.4	35	9	US-10-034-451-2	Sequence 2, Appli	Sequence 2, Appli
C 128	21.8	0.4	40	9	US-09-925-664-15	Sequence 15, Appl	Sequence 15, Appl
C 129	21.8	0.4	41	10	US-09-838-386-16	Sequence 16, Appl	Sequence 16, Appl
C 130	21.8	0.4	45	10	US-09-859-053-1	Sequence 1, Appli	Sequence 1, Appli
C 131	21.8	0.4	50	10	US-09-740-002-11	Sequence 11, Appl	Sequence 11, Appl
C 132	21.8	0.4	50	10	US-09-729 479-3	Sequence 3, Appli	Sequence 3, Appli
C 133	21.8	0.4	50	10	US-09-776-529A-3	Sequence 3, Appli	Sequence 3, Appli
C 134	21.6	0.4	39	9	US-09-999-724-68	Sequence 68, Appl	Sequence 68, Appl
C 135	21.6	0.4	39	9	US-09-999-724-79	Sequence 79, Appl	Sequence 79, Appl
C 136	21.6	0.4	39	10	US-09-960-192-44	Sequence 44, Appl	Sequence 44, Appl
C 137	21.6	0.4	45	10	US-09-838-386-17	Sequence 17, Appl	Sequence 17, Appl
C 138	21.6	0.4	45	10	US-09-838-386-18	Sequence 18, Appl	Sequence 18, Appl
C 139	21.6	0.4	45	10	US-09-969-192 42	Sequence 42, Appl	Sequence 42, Appl
C 140	21.6	0.4	47	9	US-09-557-232-6	Sequence 6, Appli	Sequence 6, Appli
C 141	21.6	0.4	49	10	US-09-833-498-4	Sequence 4, Appli	Sequence 4, Appli
C 142	21.6	0.4	49	10	US-09-833-498-5	Sequence 5, Appli	Sequence 5, Appli
C 143	21.6	0.4	50	9	US-09-796-692-8213	Sequence 8213, Ap	Sequence 8213, Ap
C 144	21.4	0.4	30	10	US-09-891-517-6	Sequence 6, Appli	Sequence 6, Appli
C 145	21.4	0.4	30	10	US-09-891-517-12	Sequence 12, Appl	Sequence 12, Appl
C 146	21.4	0.4	30	10	US-09-891-517-13	Sequence 13, Appl	Sequence 13, Appl
C 147	21.4	0.4	36	10	US-09-828-034-5	Sequence 5, Appli	Sequence 5, Appli
C 148	21.4	0.4	44	10	US-09-827-289-12	Sequence 12, Appl	Sequence 12, Appl
C 149	21.4	0.4	45	10	US-09-827-289-16	Sequence 16, Appl	Sequence 16, Appl
C 150	21.4	0.4	45	10	US-09-827-289-16	Sequence 3, Appli	Sequence 3, Appli
C 151	21.4	0.4	47	10	US-09-740-002-3	Sequence 13, Appl	Sequence 13, Appl
C 152	21.4	0.4	47	12	US-10-039-890-13	Sequence 5, Appli	Sequence 5, Appli
C 153	21.4	0.4	49	10	US-09-740-002-5	Sequence 3, Appli	Sequence 3, Appli
C 154	21.4	0.4	49	10	US-09-740-002-9	Sequence 9, Appli	Sequence 9, Appli
C 155	21.4	0.4	50	10	US-09-740 002-1	Sequence 1, Appli	Sequence 1, Appli
C 156	21.4	0.4	50	10	US-09-740-002-2	Sequence 2, Appli	Sequence 2, Appli
C 157	21.4	0.4	50	10	US-09-740-002-7	Sequence 7, Appli	Sequence 7, Appli
C 158	21.2	0.4	26	9	US-09-922 296-10	Sequence 10, Appl	Sequence 10, Appl
C 159	21.2	0.4	26	9	US-09-949-305B-4	Sequence 4, Appli	Sequence 4, Appli
C 160	21.2	0.4	26	10	US-09-923-246-39	Sequence 39, Appl	Sequence 39, Appl
C 161	21.2	0.4	26	10	US-09-920-342-3	Sequence 3, Appli	Sequence 3, Appli
C 162	21.2	0.4	27	9	US-09-888-326-842	Sequence 842, App	Sequence 842, App
C 163	21.2	0.4	30	9	US-09-841 226C-3	Sequence 3, Appli	Sequence 3, Appli
C 164	21.2	0.4	34	10	US-09-923-246-27	Sequence 27, Appl	Sequence 27, Appl
C 165	21.2	0.4	36	9	US-09-085-442-12	Sequence 12, Appl	Sequence 12, Appl
C 166	21.2	0.4	36	10	US-09-983 580-12	Sequence 12, Appl	Sequence 12, Appl
C 167	21.2	0.4	44	9	US-10-085-395-3	Sequence 3, Appli	Sequence 3, Appli
C 168	21.2	0.4	46	10	US-09-827-289-20	Sequence 20, Appl	Sequence 20, Appl
C 169	21.2	0.4	46	10	US-09-827-289 24	Sequence 24, Appl	Sequence 24, Appl
C 170	21.2	0.4	50	10	US-09-783-590-6670	Sequence 6670, Ap	Sequence 6670, Ap
C 171	21	0.4	21	10	US-09 263-959-807	Sequence 807, App	Sequence 807, App
C 172	21	0.4	36	9	US-09-876-235-14	Sequence 14, Appl	Sequence 14, Appl
C 173	21	0.4	42	9	US-09-931-375A-86	Sequence 86, Appl	Sequence 86, Appl
C 174	21	0.4	48	9	US-10-077-493-1	Sequence 1, Appli	Sequence 1, Appli
C 175	21	0.4	49	10	US-09-833-498-6	Sequence 6, Appli	Sequence 6, Appli
C 176	20.8	0.4	30	9	US-10-176-055-10	Sequence 10, Appl	Sequence 10, Appl
C 177	20.8	0.4	30	10	US-09-891-517-5	Sequence 5, Appli	Sequence 5, Appli
C 178	20.8	0.4	30	10	US-09-891-517-11	Sequence 11, Appl	Sequence 11, Appl
C 179	20.8	0.4	40	9	US-09-963-667-18	Sequence 18, Appl	Sequence 18, Appl
C 180	20.8	0.4	41	9	US-09-933-797-784	Sequence 784, App	Sequence 784, App
C 181	20.8	0.4	43	12	US-10-028-780-6	Sequence 6, Appli	Sequence 6, Appli
C 182	20.8	0.4	45	10	US-09-838-386-13	Sequence 13, Appl	Sequence 13, Appl
C 183	20.8	0.4	46	10	US-09-833 498 2	Sequence 2, Appli	Sequence 2, Appli
C 184	20.8	0.4	46	10	US-09-833-498-2	Sequence 2, Appli	Sequence 2, Appli
C 185	20.8	0.4	47	10	US-09-833-498-3	Sequence 3, Appli	Sequence 3, Appli
C 186	20.8	0.4	49	10	US-09-833-498-6	Sequence 6, Appli	Sequence 6, Appli
C 187	20.6	0.4	36	10	US-09-504-231A-1756	Sequence 1756, Ap	Sequence 1756, Ap
C 188	20.6	0.4	38	10	US-09-274-553D-1756	Sequence 35, Appl	Sequence 35, Appl
C 189	20.6	0.4	41	10	US-09-873-637-35	Sequence 64, Appl	Sequence 64, Appl
C 190	20.6	0.4	42	9	US-09-999-724-69	Sequence 69, Appl	Sequence 69, Appl
C 191	20.6	0.4	47	10	US-09-833-498-3	Sequence 3, Appli	Sequence 3, Appli
C 192	20.6	0.4	48	10	US-09-833-498-4	Sequence 4, Appli	Sequence 4, Appli
C 193	20.4	0.4	23	10	US-09-426-548-126	Sequence 126, App	Sequence 126, App
C 194	20.4	0.4	26	9	US-10-039-876A 10	Sequence 10, Appl	Sequence 10, Appl
C 195	20.4	0.4	26	9	US-09-922-480-6	Sequence 6, Appli	Sequence 6, Appli
C 196	20.4	0.4	26	10	US-09-922-480-6	Sequence 6, Appli	Sequence 6, Appli
C 197	20.4	0.4	32	9	US-10-208-357-14	Sequence 14, Appl	Sequence 14, Appl
C 198	20.4	0.4	35	9	US-10-034-451-2	Sequence 1, Appli	Sequence 1, Appli
C 199	20.4	0.4	36	9	US-09-967-238-13	Sequence 13, Appl	Sequence 13, Appl
C 200	20.4	0.4	37	9	US-09-967-238-12	Sequence 12, Appl	Sequence 12, Appl
C 201	20.4	0.4	39	10	US-09-785-105-4	Sequence 4, Appli	Sequence 4, Appli
C 202	20.4	0.4	45	9	US-09-967 238-11	Sequence 11, Appl	Sequence 11, Appl
C 203	20.4	0.4	46	10	US-09-740 002 6	Sequence 6, Appli	Sequence 6, Appli
C 204	20.4	0.4	46	12	US-10-039-890-12	Sequence 12, Appl	Sequence 12, Appl
C 205	20.4	0.4	48	9	US-09-822-789-2	Sequence 2, Appli	Sequence 2, Appli
C 206	20.4	0.4	49	10	US-09-773-385-3	Sequence 3, Appli	Sequence 3, Appli
C 207	20.4	0.4	25	9	US-09-282-734-23	Sequence 23, Appl	Sequence 23, Appl
C 208	20.2	0.4	25	9	US-09-863-806-120	Sequence 120, App	Sequence 120, App
C 209	20.2	0.4	26	9	US-09-922 469 7	Sequence 7, Appli	Sequence 7, Appli
C 210	20.2	0.4	26	10	US-09-099-823-14	Sequence 14, Appl	Sequence 14, Appl
C 211	20.2	0.4	26	10	US-09-922-480-7	Sequence 7, Appli	Sequence 7, Appli
C 212	20.2	0.4	26	10	US-09-923-236-7	Sequence 38, Appl	Sequence 38, Appl
C 213	20.2	0.4	27	10	US-09-381-624A-8	Sequence 8, Appli	Sequence 8, Appli
C 214	20.2	0.4	30	10	US-09-891-517-7	Sequence 7, Appli	Sequence 7, Appli
C 215	20.2	0.4	30	10	US-09-891-517-8	Sequence 8, Appli	Sequence 8, Appli
C 216	20.2	0.4	32	9	US-09-993-164-18	Sequence 18, Appl	Sequence 18, Appl
C 217	20.2	0.4	35	10	US-09-374-671-100	Sequence 100, App	Sequence 100, App
C 218	20.2	0.4	36	9	US-09-957-925A 24	Sequence 24, Appl	Sequence 24, Appl
C 219	20.2	0.4	38	10	US-09-785-105-3	Sequence 3, Appli	Sequence 3, Appli
C 220	20.2	0.4	39	9	US-09-999-724-80	Sequence 80, Appl	Sequence 80, Appl
C 221	20.2	0.4	39	10	US-09-884 260A-49	Sequence 49, Appl	Sequence 49, Appl
C 222	20.2	0.4	39	10	US-09-969-132-45	Sequence 45, Appl	Sequence 45, Appl
C 223	20.2	0.4	41	9	US-10-013 598 3	Sequence 3, Appli	Sequence 3, Appli
C 224	20.2	0.4	41	10	US-09-823-648-1	Sequence 1, Appli	Sequence 1, Appli
C 225	20.2	0.4	42	10	US-09-838-386-14	Sequence 14, Appl	Sequence 14, Appl
C 226	20.2	0.4	45	10	US-09-838 386-13	Sequence 13, Appl	Sequence 13, Appl
C 227	20.2	0.4	47	9	US-09-557-232-6	Sequence 6, Appli	Sequence 6, Appli
C 228	20.2	0.4	26	9	US-09-888-326-743	Sequence 743, App	Sequence 743, App
C 229	20	0.4	29	10	US-09-746-491-54	Sequence 54, Appl	Sequence 54, Appl
C 230	20	0.4	30	9	US-09-853-745-37	Sequence 37, Appl	Sequence 37, Appl
C 231	20	0.4	42	9	US-09-733-692A-1	Sequence 1, Appli	Sequence 1, Appli
C 232	20	0.4	42	12	US-10-039-890-14	Sequence 14, Appl	Sequence 14, Appl
C 233	20	0.4	48	10	US-09-740-002-8	Sequence 8, Appli	Sequence 8, Appli
C 234	20	0.4	49	10	US-09-740-002-10	Sequence 10, Appl	Sequence 10, Appl
C 235	20	0.4	50	10	US-09-783-590-8333	Sequence 8333, Ap	Sequence 8333, Ap

239	19.8	0.4	24	9	US-09-853-526-10	Sequence 10, Appl	312	19.8	0.4	47	9	US-09-904-859-253	Sequence 253, App
240	19.8	0.4	24	10	US-09-901-484A-10	Sequence 10, Appl	313	19.8	0.4	47	9	US-09-909-204-253	Sequence 253, App
241	19.8	0.4	29	10	US-09-746-491-54	Sequence 54, Appl	314	19.8	0.4	47	9	US-09-904-786-253	Sequence 253, App
C 242	19.8	0.4	30	9	US-09-927-777A-68	Sequence 68, Appl	315	19.8	0.4	47	9	US-09-906-646-253	Sequence 253, App
C 243	19.8	0.4	30	10	US-09-891-517-5	Sequence 5, Appli	316	19.8	0.4	47	9	US-09-906-700-253	Sequence 253, App
244	19.8	0.4	30	10	US-09-891-517-9	Sequence 9, Appli	317	19.8	0.4	47	10	US-09-900-320-253	Sequence 253, App
245	19.8	0.4	30	10	US-09-891-517-10	Sequence 10, Appl	318	19.8	0.4	47	10	US-09-909-088B-253	Sequence 253, App
C 246	19.8	0.4	32	9	US-09-760-500A-51	Sequence 51, Appl	C 319	19.8	0.4	48	9	US-09-864-785-3556	Sequence 3556, Ap
C 247	19.8	0.4	32	9	US-09-967-409A-51	Sequence 51, Appl	320	19.6	0.4	26	9	US-09-444-388-1	Sequence 1, Appli
C 248	19.8	0.4	32	9	US-09-975-062A-51	Sequence 51, Appl	C 321	19.6	0.4	28	10	US-09-465-589-9	Sequence 9, Appli
C 249	19.8	0.4	32	9	US-09-976-378A-51	Sequence 51, Appl	322	19.6	0.4	28	10	US-09-465-589-10	Sequence 10, Appl
C 250	19.8	0.4	32	9	US-09-976-577-51	Sequence 51, Appl	C 323	19.6	0.4	30	10	US-09-891-517-6	Sequence 6, Appli
C 251	19.8	0.4	32	9	US-09-966-312-51	Sequence 51, Appl	324	19.6	0.4	47	9	US-09-853-526-267	Sequence 267, App
C 252	19.8	0.4	32	9	US-09-927-777A-51	Sequence 51, Appl	325	19.6	0.4	47	10	US-09-901-484A-267	Sequence 267, App
C 253	19.8	0.4	32	9	US-09-966-491A-51	Sequence 51, Appl	326	19.6	0.4	48	9	US-09-999-724-14	Sequence 14, Appl
C 254	19.8	0.4	32	9	US-09-976-971A-51	Sequence 51, Appl	C 327	19.6	0.4	48	10	US-09-922-261-225	Sequence 225, App
C 255	19.8	0.4	32	9	US-09-820-279B-51	Sequence 51, Appl	C 328	19.6	0.4	49	9	US-09-996-140-100	Sequence 100, App
C 256	19.8	0.4	32	10	US-09-973-788A-51	Sequence 51, Appl	C 329	19.4	0.4	21	9	US-09-888-326-840	Sequence 840, App
C 257	19.8	0.4	32	10	US-09-973-638A-51	Sequence 51, Appl	C 330	19.4	0.4	26	10	US-09-853-646-3	Sequence 3, Appli
C 258	19.8	0.4	32	10	US-09-974-007-51	Sequence 51, Appl	331	19.4	0.4	29	10	US-09-853-053-6	Sequence 6, Appli
C 259	19.8	0.4	32	10	US-09-976-617A-51	Sequence 51, Appl	332	19.4	0.4	30	12	US-10-079-616-23	Sequence 23, Appl
C 260	19.8	0.4	32	10	US-09-961-949A-51	Sequence 51, Appl	333	19.4	0.4	32	9	US-10-010-731-8	Sequence 8, Appli
261	19.8	0.4	33	9	US-09-876-235-15	Sequence 15, Appl	334	19.4	0.4	32	10	US-09-829-391A-7	Sequence 7, Appli
262	19.8	0.4	36	9	US-09-876-235-14	Sequence 14, Appl	335	19.4	0.4	35	9	US-09-886-242A-18	Sequence 18, Appl
263	19.8	0.4	36	10	US-09-935-247-4	Sequence 4, Appli	C 336	19.4	0.4	35	9	US-09-927-777A-72	Sequence 72, Appl
C 264	19.8	0.4	36	10	US-09-935-247-5	Sequence 5, Appli	337	19.4	0.4	35	9	US-10-027-603-18	Sequence 18, Appl
C 265	19.8	0.4	39	9	US-09-963-667-3	Sequence 3, Appli	338	19.4	0.4	35	9	US-09-841-236C-2	Sequence 2, Appli
C 266	19.8	0.4	40	9	US-09-963-667-15	Sequence 15, Appl	339	19.4	0.4	36	9	US-10-104-611-15	Sequence 15, Appl
C 267	19.8	0.4	40	9	US-09-963-667-16	Sequence 16, Appl	340	19.4	0.4	36	9	US-10-112-547-15	Sequence 15, Appl
C 268	19.8	0.4	40	9	US-09-963-667-17	Sequence 17, Appl	341	19.4	0.4	36	9	US-10-112-241-15	Sequence 15, Appl
C 269	19.8	0.4	40	10	US-09-263-959-458	Sequence 458, App	342	19.4	0.4	40	9	US-09-963-667-10	Sequence 10, Appl
C 270	19.8	0.4	41	10	US-09-850-165-63	Sequence 63, Appl	343	19.4	0.4	40	9	US-09-963-667-18	Sequence 18, Appl
C 271	19.8	0.4	41	10	US-09-263-959-591	Sequence 591, App	C 344	19.4	0.4	43	10	US-09-784-130-4	Sequence 4, Appli
C 272	19.8	0.4	45	10	US-09-263-959-486	Sequence 486, App	C 345	19.4	0.4	45	12	US-10-039-890-11	Sequence 11, Appl
C 273	19.8	0.4	46	9	US-09-992-598-406	Sequence 406, App	346	19.4	0.4	46	10	US-09-827-289-19	Sequence 19, Appl
C 274	19.8	0.4	46	9	US-09-989-293A-406	Sequence 406, App	347	19.4	0.4	46	10	US-09-827-289-23	Sequence 23, Appl
C 275	19.8	0.4	46	9	US-09-989-735-406	Sequence 406, App	C 348	19.4	0.4	48	10	US-09-775-217-2	Sequence 2, Appli
C 276	19.8	0.4	46	9	US-09-989-444-406	Sequence 406, App	C 349	19.4	0.4	48	12	US-10-039-890-15	Sequence 15, Appl
C 277	19.8	0.4	46	9	US-09-989-730-406	Sequence 406, App	350	19.4	0.4	50	10	US-09-728-479-3	Sequence 3, Appli
C 278	19.8	0.4	46	9	US-09-990-436-406	Sequence 406, App	351	19.4	0.4	50	10	US-09-776-529A-3	Sequence 3, Appli
C 279	19.8	0.4	46	9	US-09-991-181-406	Sequence 406, App	C 352	19.4	0.4	50	10	US-09-783-590-8333	Sequence 8333, Ap
C 280	19.8	0.4	46	9	US-09-993-687-406	Sequence 406, App	353	19.2	0.4	24	9	US-10-043-415-4	Sequence 4, Appli
C 281	19.8	0.4	46	9	US-09-989-734-406	Sequence 406, App	C 354	19.2	0.4	24	9	US-09-920-313-148	Sequence 148, App
C 282	19.8	0.4	46	9	US-09-997-653-406	Sequence 406, App	C 355	19.2	0.4	24	9	US-09-949-305B-6	Sequence 6, Appli
C 283	19.8	0.4	46	9	US-09-993-667-406	Sequence 406, App	C 356	19.2	0.4	24	9	US-09-888-326-841	Sequence 841, App
C 294	19.8	0.4	46	9	US-09-990-438-406	Sequence 436, App	C 357	19.2	0.4	24	10	US-09-920-342-12	Sequence 12, Appl
C 295	19.8	0.4	46	9	US-09-990-562-406	Sequence 406, App	358	19.2	0.4	32	9	US-10-208-357-14	Sequence 14, Appl
C 296	19.8	0.4	46	9	US-09-997-428-406	Sequence 406, App	C 359	19.2	0.4	32	9	US-10-010-731-8	Sequence 8, Appli
C 297	19.8	0.4	46	9	US-09-997-666-406	Sequence 406, App	C 360	19.2	0.4	32	10	US-09-829-381A-7	Sequence 7, Appli
C 298	19.8	0.4	46	9	US-09-990-711-406	Sequence 406, App	C 361	19.2	0.4	36	9	US-09-950-933A-99	Sequence 99, Appl
C 299	19.8	0.4	46	9	US-09-989-726-406	Sequence 406, App	C 362	19.2	0.4	36	9	US-10-047-593-6	Sequence 6, Appli
C 290	19.8	0.4	46	10	US-09-989-722-406	Sequence 406, App	C 363	19.2	0.4	36	9	US-10-090-035-25	Sequence 25, Appl
C 291	19.9	0.4	46	10	US-09-989-723-406	Sequence 406, App	C 364	19.2	0.4	36	9	US-10-080-114A-3	Sequence 3, Appli
C 292	19.8	0.4	46	10	US-09-989-729-406	Sequence 406, App	C 365	19.2	0.4	36	9	US-10-042-894A-28	Sequence 28, Appl
C 293	19.8	0.4	46	10	US-09-989-727-406	Sequence 406, App	C 366	19.2	0.4	36	9	US-09-905-558C-11	Sequence 11, Appl
C 294	19.8	0.4	46	10	US-09-989-731-406	Sequence 406, App	C 367	19.2	0.4	36	9	US-10-117-015-9	Sequence 9, Appli
C 295	19.8	0.4	46	10	US-09-989-732-406	Sequence 406, App	C 368	19.2	0.4	36	10	US-09-805-311-9	Sequence 9, Appli
C 296	19.8	0.4	46	10	US-09-991-073-406	Sequence 406, App	C 369	19.2	0.4	36	10	US-09-780-641-3	Sequence 3, Appli
C 297	19.8	0.4	46	10	US-09-990-442-406	Sequence 406, App	C 370	19.2	0.4	36	10	US-09-805-550-5	Sequence 5, Appli
C 298	19.8	0.4	46	10	US-09-991-163-406	Sequence 406, App	C 371	19.2	0.4	36	10	US-09-810-264-36	Sequence 36, Appl
C 299	19.8	0.4	46	10	US-09-993-604-406	Sequence 406, App	C 372	19.2	0.4	36	10	US-09-835-654-3	Sequence 3, Appli
C 300	19.8	0.4	46	10	US-09-990-456-406	Sequence 406, App	C 373	19.2	0.4	36	10	US-09-735-101-3	Sequence 3, Appli
C 301	19.8	0.4	46	10	US-09-989-721-406	Sequence 406, App	C 374	19.2	0.4	36	12	US-10-027-559-13	Sequence 13, Appl
302	19.8	0.4	47	9	US-09-905-291A-253	Sequence 253, App	375	19.2	0.4	40	9	US-09-963-667-15	Sequence 15, Appl
303	19.8	0.4	47	9	US-09-902-853-253	Sequence 253, App	C 376	19.2	0.4	49	9	US-09-907-111-197	Sequence 197, App
304	19.8	0.4	47	9	US-09-907-824-253	Sequence 253, App	C 377	19	0.4	19	10	US-09-263-959-861	Sequence 861, App
305	19.8	0.4	47	9	US-09-907-841-253	Sequence 253, App	378	19	0.4	20	10	US-09-752-639-40	Sequence 40, Appl
306	19.8	0.4	47	9	US-09-904-011-253	Sequence 253, App	379	19	0.4	20	10	US-09-984-198-40	Sequence 40, Appl
307	19.8	0.4	47	9	US-09-906-742-253	Sequence 253, App	380	19	0.4	28	10	US-09-923-959-420	Sequence 420, App
308	19.8	0.4	47	9	US-09-906-838-253	Sequence 253, App	C 381	19	0.4	30	10	US-09-828-034-7	Sequence 7, Appli
309	19.8	0.4	47	9	US-09-907-613-253	Sequence 253, App	382	19	0.4	31	9	US-09-927-777A-69	Sequence 69, Appl
310	19.8	0.4	47	9	US-09-907-942-253	Sequence 253, App	383	19	0.4	35	9	US-10-034-451-2	Sequence 2, Appli
311	19.8	0.4	47	9	US-09-904-820-253	Sequence 253, App	384	19	0.4	39	9	US-09-963-667-1	Sequence 1, Appli

385	19	0.4	39	9	US-09-963-667-3	Sequence 3, Appli	458	18.4	0.3	37	10	US-09-263-959-815	Sequence 815, App
386	19	0.4	40	9	US-09-963-667-7	Sequence 7, Appli	459	18.4	0.3	38	9	US-09-864-785-762	Sequence 762, App
387	19	0.4	40	9	US-09-963-667-8	Sequence 8, Appli	460	18.4	0.3	38	9	US-09-978-917A-17	Sequence 17, Appl
388	19	0.4	40	9	US-09-963-667-9	Sequence 9, Appli	461	18.4	0.3	38	9	US-09-978-917A-18	Sequence 18, Appl
389	19	0.4	40	9	US-09-963-667-16	Sequence 16, Appl	462	18.4	0.3	38	9	US-10-057-777-1	Sequence 1, Appli
390	19	0.4	40	9	US-09-963-667-17	Sequence 17, Appl	463	18.4	0.3	41	10	US-09-935-592-4	Sequence 4, Appli
391	19	0.4	40	9	US-09-967-238-10	Sequence 10, Appl	464	18.4	0.3	42	10	US-09-838-386-14	Sequence 14, Appl
392	19	0.4	41	10	US-09-838-386-15	Sequence 15, Appl	465	18.4	0.3	45	9	US-09-793-139-6	Sequence 6, Appli
393	19	0.4	41	10	US-09-838-386-16	Sequence 16, Appl	466	18.4	0.3	45	10	US-09-818-879-6	Sequence 6, Appli
394	19	0.4	42	10	US-09-922-261-182	Sequence 182, App	467	18.4	0.3	45	10	US-09-211-755B-6	Sequence 6, Appli
395	19	0.4	43	9	US-09-938-744-5	Sequence 5, Appli	468	18.4	0.3	46	9	US-10-027-760-2	Sequence 2, Appli
396	19	0.4	47	12	US-10-039-890-13	Sequence 13, Appl	469	18.4	0.3	49	10	US-09-922-261-10A	Sequence 10A, App
397	19	0.4	49	10	US-09-880-578-16	Sequence 16, Appl	470	18.4	0.3	48	12	US-10-039-890-15	Sequence 15, Appl
398	19	0.4	50	9	US-09-796-692-8213	Sequence 8213, Ap	471	18.4	0.3	49	9	US-09-989-364-77	Sequence 77, Appl
399	18.8	0.3	27	10	US-09-985-911-16	Sequence 16, Appl	472	18.4	0.3	50	10	US-09-918-762-1	Sequence 1, Appli
400	18.8	0.3	28	10	US-09-731-393-9	Sequence 9, Appli	473	18.2	0.3	26	10	US-09-915-247-8	Sequence 8, Appli
401	18.8	0.3	31	9	US-09-927-777A-69	Sequence 69, Appl	474	18.2	0.3	30	10	US-09-005-243-36	Sequence 36, Appl
402	18.8	0.3	31	9	US-09-912-263-178	Sequence 178, Appl	475	18.2	0.3	30	10	US-09-224-683-36	Sequence 36, Appl
403	18.8	0.3	31	10	US-09-898-541-19	Sequence 19, Appl	476	18.2	0.3	30	10	US-09-891-517-9	Sequence 9, Appli
404	18.8	0.3	43	10	US-09-146-157-5	Sequence 5, Appli	477	18.2	0.3	30	10	US-09-891-517-13	Sequence 13, Appli
405	18.8	0.3	46	12	US-10-039-890-12	Sequence 12, Appl	478	18.2	0.3	31	9	US-09-843-676-28	Sequence 28, Appl
406	18.8	0.3	47	9	US-10-228-070-25	Sequence 25, Appl	479	18.2	0.3	31	9	US-09-766-253-28	Sequence 28, Appl
407	18.8	0.3	47	12	US-10-046-722-25	Sequence 25, Appl	480	18.2	0.3	31	9	US-09-438-486-28	Sequence 28, Appl
408	18.8	0.3	49	9	US-09-796-679-20	Sequence 20, Appl	481	18.2	0.3	31	9	US-10-053-758-28	Sequence 28, Appl
409	18.6	0.3	27	9	US-10-095-496-19	Sequence 19, Appl	482	18.2	0.3	32	9	US-10-125-635A-375	Sequence 375, App
410	18.6	0.3	27	10	US-09-263-959-524	Sequence 524, App	483	18.2	0.3	33	9	US-09-876-235-15	Sequence 15, Appl
411	18.6	0.3	30	10	US-09-891-517-11	Sequence 11, Appl	484	18.2	0.3	36	10	US-09-504-231A-2866	Sequence 2866, Ap
412	18.6	0.3	30	10	US-09-891-517-12	Sequence 12, Appl	485	18.2	0.3	36	10	US-09-274-553D-2866	Sequence 2866, Ap
413	18.6	0.3	33	10	US-09-878-454A-10	Sequence 10, Appl	486	18.2	0.3	37	10	US-09-993-170-23	Sequence 23, Appl
414	18.6	0.3	39	9	US-09-729-658B-43	Sequence 43, Appl	487	18.2	0.3	39	9	US-09-963-667-1	Sequence 1, Appli
415	18.6	0.3	40	9	US-09-963-667-10	Sequence 10, Appl	488	18.2	0.3	40	9	US-09-983-210-37	Sequence 37, Appl
416	18.6	0.3	43	10	US-09-935-592-1	Sequence 1, Appli	489	18.2	0.3	40	9	US-09-963-667-7	Sequence 7, Appli
417	18.6	0.3	44	7	US-08-785-997-45	Sequence 45, Appl	490	18.2	0.3	40	9	US-09-963-667-8	Sequence 8, Appli
418	18.6	0.3	44	9	US-09-387-340-45	Sequence 45, Appl	491	18.2	0.3	40	9	US-09-963-667-9	Sequence 9, Appli
419	18.6	0.3	45	9	US-09-938-744-1	Sequence 1, Appli	492	18.2	0.3	40	10	US-09-910-635-1	Sequence 1, Appli
420	18.6	0.3	45	10	US-09-482-520-2	Sequence 2, Appli	493	18.2	0.3	40	10	US-09-956-412-1	Sequence 1, Appli
421	18.6	0.3	45	10	US-09-773-882-8	Sequence 8, Appli	494	18.2	0.3	41	10	US-09-766-273-15	Sequence 15, Appl
422	18.6	0.3	46	9	US-10-085-108-5	Sequence 5, Appli	495	18.2	0.3	41	10	US-09-955-462A-1	Sequence 1, Appli
423	18.6	0.3	47	7	US-08-326-278-9	Sequence 9, Appli	496	18.2	0.3	43	10	US-09-920-171-30	Sequence 30, Appl
424	18.6	0.3	47	9	US-09-466-041-3	Sequence 3, Appli	497	18.2	0.3	45	12	US-10-039-890-11	Sequence 11, Appl
425	18.6	0.3	47	10	US-09-965-561-2	Sequence 2, Appli	498	18.2	0.3	47	9	US-09-853-526-240	Sequence 240, App
426	18.6	0.3	49	12	US-10-108-280-6	Sequence 6, Appli	499	18.2	0.3	47	10	US-09-901-484A-240	Sequence 240, App
427	18.6	0.3	50	9	US-09-923-070A-6	Sequence 6, Appli	500	18.2	0.3	48	9	US-09-956-086-15	Sequence 15, Appl
428	18.4	0.3	20	9	US-09-760-500A-55	Sequence 55, Appl	501	18.2	0.3	48	9	US-09-956-087-15	Sequence 15, Appl
429	18.4	0.3	20	9	US-09-771-554-5	Sequence 5, Appli	502	18.2	0.3	48	10	US-09-775-217-2	Sequence 2, Appli
430	18.4	0.3	20	9	US-09-967-409A-55	Sequence 55, Appl	503	18.2	0.3	50	9	US-09-923-070A-6	Sequence 6, Appli
431	18.4	0.3	20	9	US-09-975-062A-55	Sequence 55, Appl	504	18.2	0.3	50	9	US-09-950-442-41	Sequence 41, Appl
432	18.4	0.3	20	9	US-09-976-378A-55	Sequence 55, Appl	505	18.2	0.3	18	9	US-10-011-204-3	Sequence 3, Appli
433	18.4	0.3	20	9	US-09-976-577-55	Sequence 55, Appl	506	18	0.3	18	9	US-10-011-204-4	Sequence 4, Appli
434	18.4	0.3	20	9	US-09-966-312-55	Sequence 55, Appl	507	18	0.3	18	10	US-09-918-186A-38	Sequence 38, Appl
435	18.4	0.3	20	9	US-09-927-777A-55	Sequence 55, Appl	508	18	0.3	18	10	US-09-918-186A-78	Sequence 78, Appl
436	18.4	0.3	20	9	US-09-927-777A-70	Sequence 70, Appl	509	18	0.3	18	10	US-09-918-186A-129	Sequence 129, App
437	18.4	0.3	20	9	US-09-966-491A-55	Sequence 55, Appl	510	18	0.3	18	10	US-09-263-959-515	Sequence 515, App
438	18.4	0.3	20	9	US-09-976-971A-55	Sequence 55, Appl	511	18	0.3	18	10	US-09-263-959-873	Sequence 873, App
439	18.4	0.3	20	9	US-10-208-357-26	Sequence 26, Appl	512	18	0.3	20	10	US-09-005-243-33	Sequence 33, Appl
440	18.4	0.3	20	9	US-10-051-643-83	Sequence 83, Appl	513	18	0.3	20	10	US-09-224-683-33	Sequence 33, Appl
441	18.4	0.3	20	9	US-09-880-505-83	Sequence 83, Appl	514	18	0.3	24	9	US-09-853-526-10	Sequence 10, Appl
442	18.4	0.3	20	9	US-10-176-055-11	Sequence 11, Appl	515	18	0.3	24	10	US-09-901-484A-10	Sequence 10, Appl
443	18.4	0.3	20	9	US-09-820-279B-55	Sequence 55, Appl	516	18	0.3	26	10	US-09-853-646-3	Sequence 3, Appli
444	18.4	0.3	20	9	US-09-888-326-2	Sequence 2, Appli	517	18	0.3	29	10	US-09-853-053-6	Sequence 6, Appli
445	18.4	0.3	20	9	US-09-888-326-838	Sequence 838, App	518	18	0.3	30	10	US-09-891-517-10	Sequence 10, Appl
446	18.4	0.3	20	9	US-09-888-326-839	Sequence 839, App	519	18	0.3	30	12	US-10-079-616-23	Sequence 23, Appl
447	18.4	0.3	20	10	US-09-973-788A-55	Sequence 55, Appl	520	18	0.3	32	10	US-09-456-038-1	Sequence 1, Appli
448	18.4	0.3	20	10	US-09-973-638A-55	Sequence 55, Appl	521	18	0.3	34	9	US-09-991-470-8	Sequence 8, Appli
449	18.4	0.3	20	10	US-09-974-007-55	Sequence 55, Appl	522	18	0.3	34	10	US-09-216-393-364	Sequence 364, App
450	18.4	0.3	20	10	US-09-976-617A-55	Sequence 55, Appl	523	18	0.3	35	9	US-09-773-599-10	Sequence 10, Appl
451	18.4	0.3	20	10	US-09-961-949A-55	Sequence 55, Appl	524	18	0.3	35	9	US-10-202-182-32	Sequence 32, Appl
452	18.4	0.3	21	9	US-10-026-221-4	Sequence 4, Appli	525	18	0.3	36	9	US-09-999-724-84	Sequence 84, Appl
453	18.4	0.3	25	10	US-09-853-646-4	Sequence 4, Appli	526	18	0.3	36	10	US-09-504-231A-1732	Sequence 1732, Ap
454	18.4	0.3	27	10	US-09-971-611-28	Sequence 28, Appl	527	18	0.3	36	10	US-09-274-553D-1732	Sequence 1732, Ap
455	18.4	0.3	28	10	US-09-263-959-746	Sequence 746, App	528	18	0.3	37	9	US-10-091-442-12	Sequence 12, Appl
456	18.4	0.3	30	8	US-08-894-808-11	Sequence 11, Appl	529	18	0.3	37	9	US-09-864-785-1768	Sequence 1768, Ap
457	18.4	0.3	30	9	US-09-899-615-11	Sequence 11, Appl	530	18	0.3	37	9	US-09-864-785-3814	Sequence 3814, Ap

531	18	0.3	37	10	US-09-140-719-12	Sequence 12, Appl	604	17.8	0.3	47	9	US-09-978-917A-16	Sequence 16, Appl
532	18	0.3	37	10	US-09-371-307-54	Sequence 54, Appl	605	17.8	0.3	47	10	US-09-901-484A-195	Sequence 195, App
533	18	0.3	37	10	US-09-939-408A-7	Sequence 7, Appli	606	17.8	0.3	48	10	US-09-955-807-7	Sequence 7, Appli
534	18	0.3	37	10	US-09-312 762A-23	Sequence 23, Appl	c 607	17.8	0.3	49	9	US-09-151-771-6	Sequence 6, Appli
535	18	0.3	37	10	US-09-817-774-16	Sequence 16, Appl	c 608	17.8	0.3	49	9	US-10-092-750-222	Sequence 222, App
536	18	0.3	37	10	US-09-950-902-7	Sequence 7, Appli	c 609	17.8	0.3	50	9	US-09-826-115-3	Sequence 3, Appli
537	18	0.3	39	9	US-09-963-667-2	Sequence 2, Appli	610	17.8	0.3	50	10	US-09-783-590-2759	Sequence 2759, Ap
538	18	0.3	39	9	US-09-853-745-31	Sequence 31, Appl	611	17.6	0.3	25	10	US-09-838-386-22	Sequence 22, Appl
539	18	0.3	40	9	US-09-963-667-11	Sequence 11, Appl	c 612	17.6	0.3	28	10	US-09-263-959-420	Sequence 420, App
540	18	0.3	40	9	US-09-963-667-12	Sequence 12, Appl	613	17.6	0.3	30	12	US-10-021-002-7	Sequence 7, Appli
541	18	0.3	40	9	US-09-963-667-13	Sequence 13, Appl	614	17.6	0.3	31	10	US-09-801-274-929	Sequence 929, App
542	18	0.3	43	9	US-09-963-667-14	Sequence 14, Appl	c 615	17.6	0.3	31	10	US-09-801-274-1105	Sequence 1105, Ap
c 543	18	0.3	43	9	US-09-943-722-107	Sequence 107, App	616	17.6	0.3	32	9	US-09-760-500A-51	Sequence 51, Appl
544	18	0.3	44	9	US-10-025-367-10	Sequence 10, Appl	617	17.6	0.3	32	9	US-09-967-409A-51	Sequence 51, Appl
545	18	0.3	45	10	US-09-827-289-11	Sequence 11, Appl	618	17.6	0.3	32	9	US-09-975-062A-51	Sequence 51, Appl
546	18	0.3	45	10	US-09-827-289-15	Sequence 15, Appl	619	17.6	0.3	32	9	US-09-976-378A-51	Sequence 51, Appl
547	18	0.3	47	9	US-09-853-526-190	Sequence 190, App	620	17.6	0.3	32	9	US-09-976-577-51	Sequence 51, Appl
548	18	0.3	47	9	US-09-853-526-191	Sequence 191, App	621	17.6	0.3	32	9	US-09-966-312-51	Sequence 51, Appl
549	18	0.3	47	9	US-09-853-526-268	Sequence 268, App	622	17.6	0.3	32	9	US-09-927-777A-51	Sequence 51, Appl
550	18	0.3	47	9	US-09-884-948-32	Sequence 32, Appl	623	17.6	0.3	32	9	US-09-966-491A-51	Sequence 51, Appl
551	18	0.3	47	10	US-09-892-864A-31	Sequence 31, Appl	624	17.6	0.3	32	9	US-09-976-971A-51	Sequence 51, Appl
552	18	0.3	47	10	US-09-901-484A-190	Sequence 190, App	625	17.6	0.3	32	9	US-09-820-279B-51	Sequence 51, Appl
553	18	0.3	47	10	US-09-901-484A-191	Sequence 191, App	c 626	17.6	0.3	32	10	US-09-236-268-3	Sequence 3, Appli
554	18	0.3	47	10	US-09-901-484A-191	Sequence 191, App	627	17.6	0.3	32	10	US-09-973-788A-51	Sequence 51, Appl
555	18	0.3	47	10	US-09-901-484A-268	Sequence 268, App	628	17.6	0.3	32	10	US-09-973-638A-51	Sequence 51, Appl
556	18	0.3	48	9	US-09-996-561-32	Sequence 32, Appl	629	17.6	0.3	32	10	US-09-974-007-51	Sequence 51, Appl
557	18	0.3	50	9	US-09-903-359-5	Sequence 5, Appli	630	17.6	0.3	32	10	US-09-976-617A-51	Sequence 51, Appl
c 558	18	0.3	50	9	US-09-996-956-6	Sequence 6, Appli	631	17.6	0.3	32	10	US-09-961-949A-51	Sequence 51, Appl
c 559	18	0.3	50	10	US-10-103-002-11	Sequence 11, Appl	c 632	17.6	0.3	33	10	US-09-361-741-9	Sequence 9, Appli
c 560	17.8	0.3	22	10	US-09-263-959-808	Sequence 8, Appli	c 633	17.6	0.3	34	9	US-09-862-847-4	Sequence 4, Appli
561	17.8	0.3	25	9	US-09-899-642-11	Sequence 11, Appl	634	17.6	0.3	36	9	US-10-099-459-9	Sequence 9, Appli
562	17.8	0.3	31	10	US-09-801-274-660	Sequence 660, App	c 635	17.6	0.3	38	10	US-09-884-877-1	Sequence 1, Appli
c 563	17.8	0.3	31	10	US-09-801-274-1716	Sequence 1716, Ap	636	17.6	0.3	38	10	US-09-884-877-5	Sequence 5, Appli
c 564	17.8	0.3	33	10	US-09-873-676-43	Sequence 43, Appl	637	17.6	0.3	38	10	US-09-884-877-7	Sequence 7, Appli
c 565	17.8	0.3	35	9	US-09-927-777A-72	Sequence 72, Appl	c 638	17.6	0.3	40	10	US-09-361-741-7	Sequence 7, Appli
c 566	17.8	0.3	35	10	US-09-735-103-5	Sequence 5, Appli	639	17.6	0.3	41	9	US-09-735-056-25	Sequence 25, Appl
c 567	17.8	0.3	35	10	US-09-867-521-3	Sequence 3, Appli	c 640	17.6	0.3	42	9	US-10-079-625-39	Sequence 39, Appl
c 568	17.8	0.3	35	12	US-10-045-428A-5	Sequence 5, Appli	c 641	17.6	0.3	42	9	US-10-099-700A-12	Sequence 12, Appl
c 569	17.8	0.3	37	10	US-09-864-785-1877	Sequence 1877, Ap	c 642	17.6	0.3	42	9	US-10-099-700A-19	Sequence 19, Appl
c 570	17.8	0.3	37	10	US-09-263-959-743	Sequence 743, App	643	17.6	0.3	42	10	US-09-804-898-3	Sequence 3, Appli
c 571	17.8	0.3	37	10	US-09-263-959-801	Sequence 801, App	c 644	17.6	0.3	42	10	US-09-804-898-5	Sequence 5, Appli
c 572	17.8	0.3	40	10	US-09-842-552-42	Sequence 42, Appl	c 645	17.6	0.3	43	9	US-09-749-873-32	Sequence 32, Appl
573	17.8	0.3	41	9	US-09-854-302-3	Sequence 3, Appli	c 646	17.6	0.3	43	10	US-09-765-272-428	Sequence 428, App
574	17.8	0.3	41	10	US-09-853-798-3	Sequence 3, Appli	647	17.6	0.3	45	9	US-09-911-909A-10	Sequence 10, Appl
c 575	17.8	0.3	42	10	US-09-922-261-227	Sequence 227, App	c 648	17.6	0.3	45	10	US-09-871-961-21	Sequence 21, Appl
c 576	17.8	0.3	43	9	US-09-326-956-4	Sequence 4, Appli	c 649	17.6	0.3	46	10	US-09-263-959-108	Sequence 108, App
577	17.8	0.3	43	10	US-09-150-811-2	Sequence 21, Appli	c 650	17.6	0.3	46	10	US-09-263-959-112	Sequence 112, App
578	17.8	0.3	43	10	US-09-993-170-21	Sequence 21, Appl	c 651	17.6	0.3	49	10	US-09-943-215-4	Sequence 4, Appli
579	17.8	0.3	45	9	US-09-905-291A-37	Sequence 37, Appl	c 652	17.6	0.3	50	10	US-09-504-231A-2958	Sequence 2958, Ap
c 580	17.8	0.3	45	9	US-10-043-415-1	Sequence 1, Appli	c 653	17.6	0.3	50	10	US-09-274-553D-2958	Sequence 2958, Ap
581	17.8	0.3	45	9	US-09-902-853-37	Sequence 37, Appl	654	17.4	0.3	19	9	US-09-853-526-515	Sequence 515, App
c 582	17.8	0.3	45	9	US-09-976-740-40	Sequence 40, Appl	c 655	17.4	0.3	19	9	US-10-208-357-25	Sequence 25, Appl
583	17.8	0.3	45	9	US-09-907-824-37	Sequence 37, Appl	656	17.4	0.3	19	10	US-09-917-138-1	Sequence 1, Appli
584	17.8	0.3	45	9	US-09-907-841-37	Sequence 37, Appl	657	17.4	0.3	19	10	US-09-901-484A-515	Sequence 515, App
585	17.8	0.3	45	9	US-09-904-011-37	Sequence 37, Appl	c 658	17.4	0.3	20	10	US-09-263-959-849	Sequence 849, App
586	17.8	0.3	45	9	US-09-747-377-150	Sequence 150, App	c 659	17.4	0.3	22	10	US-09-263-959-614	Sequence 614, App
587	17.8	0.3	45	9	US-09-906-742-37	Sequence 37, Appl	c 660	17.4	0.3	25	9	US-09-771-933-20	Sequence 20, Appl
588	17.8	0.3	45	9	US-09-906-838-37	Sequence 37, Appl	661	17.4	0.3	27	9	US-09-901-910-4	Sequence 4, Appli
589	17.8	0.3	45	9	US-09-907-613-37	Sequence 37, Appl	c 662	17.4	0.3	28	10	US-09-225-201-12	Sequence 12, Appl
590	17.8	0.3	45	9	US-09-907-942-37	Sequence 37, Appl	663	17.4	0.3	30	9	US-09-927-777A-68	Sequence 68, Appl
591	17.8	0.3	45	9	US-09-904-820-37	Sequence 37, Appl	664	17.4	0.3	31	9	US-10-051-643-84	Sequence 84, Appl
592	17.8	0.3	45	9	US-09-904-859-37	Sequence 37, Appl	665	17.4	0.3	31	9	US-09-880-505-84	Sequence 84, Appl
593	17.8	0.3	45	9	US-09-909-204-37	Sequence 37, Appl	c 666	17.4	0.3	33	9	US-10-228-070-17	Sequence 17, Appl
594	17.8	0.3	45	9	US-09-904-786-37	Sequence 37, Appl	c 667	17.4	0.3	33	12	US-10-046-722-17	Sequence 17, Appl
595	17.8	0.3	45	9	US-09-906-646-37	Sequence 37, Appl	c 668	17.4	0.3	35	10	US-09-735-103-5	Sequence 5, Appli
596	17.8	0.3	45	9	US-09-906-700-37	Sequence 37, Appl	c 669	17.4	0.3	35	10	US-09-867-521-3	Sequence 3, Appli
c 597	17.8	0.3	45	10	US-09-962-055-40	Sequence 40, Appl	670	17.4	0.3	35	10	US-09-735-367B-7	Sequence 7, Appli
598	17.8	0.3	45	10	US-09-909-320-37	Sequence 37, Appl	671	17.4	0.3	35	10	US-09-735-367B-14	Sequence 14, Appl
599	17.8	0.3	45	10	US-09-909-088B-37	Sequence 37, Appl	c 672	17.4	0.3	35	12	US-10-045-428A-5	Sequence 5, Appli
c 600	17.8	0.3	45	12	US-10-023-529-40	Sequence 40, Appl	673	17.4	0.3	36	9	US-10-051-325-25	Sequence 25, Appl
c 601	17.8	0.3	45	12	US-10-023-523-40	Sequence 40, Appl	674	17.4	0.3	36	9	US-09-825-805-1496	Sequence 1496, Ap
602	17.8	0.3	47	9	US-09-853-526-195	Sequence 195, App	675	17.4	0.3	36	9	US-09-825-805-1497	Sequence 1497, Ap
c 603	17.8	0.3	47	9	US-09-978-917A-15	Sequence 15, Appl	676	17.4	0.3	37	10	US-09-766-095-5	Sequence 5, Appli

C 677	17.4	0.3	37	10	US-09-766-095-57	Sequence 57, Appl	750	17.2	0.3	33	10	US-09-870-223A-41	Sequence 41, Appl
C 678	17.4	0.3	37	10	US-09-766-095-71	Sequence 71, Appl	C 751	17.2	0.3	34	8	US-08-424-550B-637	Sequence 637, Appl
C 679	17.4	0.3	37	10	US-09-766-095-85	Sequence 85, Appl	752	17.2	0.3	34	10	US-09-987-967-7	Sequence 7, Appl
C 680	17.4	0.3	39	9	US-09-853-745-34	Sequence 34, Appl	C 753	17.2	0.3	35	9	US-09-927-161-29	Sequence 29, Appl
C 681	17.4	0.3	39	10	US-09-725-735A-3	Sequence 13, Appl	C 754	17.2	0.3	35	10	US-09-933-497B-7	Sequence 7, Appl
C 682	17.4	0.3	39	10	US-09-759-667A-12	Sequence 75, Appl	C 755	17.2	0.3	36	10	US-09-758-753-22	Sequence 22, Appl
C 683	17.4	0.3	39	10	US-09-920-552-75	Sequence 14, Appl	756	17.2	0.3	38	10	US-09-884-441-277	Sequence 277, Appl
C 684	17.4	0.3	39	10	US-09-954-737-14	Sequence 25, Appl	757	17.2	0.3	39	9	US-09-797-941A-29	Sequence 29, Appl
C 685	17.4	0.3	40	10	US-09-765-272-253	Sequence 4, Appl	758	17.2	0.3	40	9	US-10-228-770-13	Sequence 13, Appl
C 686	17.4	0.3	41	10	US-09-935-692-4	Sequence 5, Appl	759	17.2	0.3	40	10	US-10-046-722-13	Sequence 13, Appl
C 687	17.4	0.3	42	10	US-09-795-006A-5	Sequence 14, Appl	C 760	17.2	0.3	41	9	US-10-043-573-143	Sequence 143, Appl
C 688	17.4	0.3	42	10	US-09-795-006A-14	Sequence 14, Appl	C 761	17.2	0.3	44	10	US-09-804-661-115	Sequence 15, Appl
C 689	17.4	0.3	43	10	US-09-728-574-1	Sequence 1, Appl	C 762	17.2	0.3	44	10	US-09-916-230-26	Sequence 26, Appl
C 690	17.4	0.3	44	10	US-09-839-743-28	Sequence 28, Appl	C 763	17.2	0.3	45	9	US-09-956-087-22	Sequence 22, Appl
C 691	17.4	0.3	45	9	US-09-990-046-22	Sequence 22, Appl	C 764	17.2	0.3	46	9	US-09-899-615-1	Sequence 1, Appl
C 692	17.4	0.3	45	9	US-09-908-153B-26	Sequence 26, Appl	765	17.2	0.3	46	9	US-09-956-086-13	Sequence 13, Appl
C 693	17.4	0.3	45	9	US-09-927-161-1	Sequence 1, Appl	766	17.2	0.3	47	9	US-09-956-087-13	Sequence 13, Appl
C 694	17.4	0.3	45	9	US-09-900-379-75	Sequence 75, Appl	767	17.2	0.3	47	9	US-09-953-526-29	Sequence 29, Appl
C 695	17.4	0.3	45	9	US-09-900-379-83	Sequence 83, Appl	C 768	17.2	0.3	47	9	US-09-853-526-191	Sequence 191, Appl
C 696	17.4	0.3	45	10	US-09-735-363A-77	Sequence 77, Appl	C 769	17.2	0.3	47	9	US-09-853-526-191	Sequence 210, Appl
C 697	17.4	0.3	45	10	US-09-848-164-75	Sequence 83, Appl	770	17.2	0.3	47	9	US-09-853-526-243	Sequence 243, Appl
C 698	17.4	0.3	45	10	US-09-848-164-83	Sequence 4, Appl	C 771	17.2	0.3	47	9	US-09-853-526-243	Sequence 243, Appl
C 699	17.4	0.3	46	9	US-10-135-984-4	Sequence 5, Appl	C 772	17.2	0.3	47	9	US-09-901-484A-243	Sequence 243, Appl
C 700	17.4	0.3	46	9	US-10-135-984-5	Sequence 52, Appl	C 773	17.2	0.3	47	9	US-09-901-484A-243	Sequence 243, Appl
C 701	17.4	0.3	46	9	US-09-729-698B-52	Sequence 139, Appl	C 774	17.2	0.3	47	10	US-09-901-484A-243	Sequence 243, Appl
C 702	17.4	0.3	46	10	US-09-263-059-139	Sequence 33, Appl	C 775	17.2	0.3	47	10	US-09-901-484A-243	Sequence 243, Appl
C 703	17.4	0.3	48	9	US-09-978-917A-33	Sequence 34, Appl	776	17.2	0.3	47	10	US-09-901-484A-243	Sequence 243, Appl
C 704	17.4	0.3	48	9	US-09-978-917A-34	Sequence 11, Appl	777	17.2	0.3	47	10	US-09-901-484A-243	Sequence 243, Appl
C 705	17.4	0.3	48	10	US-09-419-305-11	Sequence 8, Appl	C 778	17.2	0.3	47	10	US-09-901-484A-243	Sequence 243, Appl
C 706	17.4	0.3	48	12	US-10-026-389-8	Sequence 4, Appl	C 779	17.2	0.3	48	9	US-09-956-086-26	Sequence 26, Appl
C 707	17.4	0.3	49	9	US-09-816-467-4	Sequence 119, Appl	780	17.2	0.3	48	9	US-09-956-087-26	Sequence 16, Appl
C 708	17.4	0.3	49	10	US-09-179-536R-119	Sequence 6, Appl	781	17.2	0.3	48	9	US-09-956-087-26	Sequence 16, Appl
C 709	17.4	0.3	50	9	US-09-919-622A-6	Sequence 969, Appl	C 782	17.2	0.3	48	9	US-09-747-377-191	Sequence 74, Appl
C 710	17.4	0.3	50	9	US-10-012-896-969	Sequence 12, Appl	783	17.2	0.3	49	9	US-09-976-736-74	Sequence 9, Appl
C 711	17.4	0.3	50	9	US-09-895-814-969	Sequence 20, Appl	C 784	17.2	0.3	50	9	US-10-007-132-9	Sequence 19, Appl
C 712	17.4	0.3	50	9	US-10-011-931-12	Sequence 85, Appl	C 785	17.2	0.3	50	10	US-09-935-727-26	Sequence 26, Appl
C 713	17.4	0.3	50	10	US-09-896-650A-29	Sequence 23, Appl	C 786	17.2	0.3	50	10	US-09-935-727-26	Sequence 26, Appl
C 714	17.2	0.3	19	10	US-09-371-307-85	Sequence 614, Appl	C 787	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 715	17.2	0.3	22	10	US-09-986-632-23	Sequence 896, Appl	C 788	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 716	17.2	0.3	22	10	US-09-263-959-614	Sequence 8, Appl	789	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 717	17.2	0.3	25	9	US-09-754-853A-896	Sequence 15, Appl	C 790	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 718	17.2	0.3	25	9	US-10-176-055-8	Sequence 5505, Appl	791	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 719	17.2	0.3	25	9	US-10-028-070-16	Sequence 5506, Appl	792	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 720	17.2	0.3	25	10	US-09-866-108-5505	Sequence 5507, Appl	C 793	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 721	17.2	0.3	25	10	US-09-866-108-5506	Sequence 5508, Appl	794	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 722	17.2	0.3	25	10	US-09-866-108-5507	Sequence 5509, Appl	795	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 723	17.2	0.3	25	10	US-09-866-108-5508	Sequence 5510, Appl	C 796	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 724	17.2	0.3	25	12	US-10-046-722-16	Sequence 16, Appl	C 797	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 725	17.2	0.3	28	9	US-10-010-066-63	Sequence 63, Appl	798	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 726	17.2	0.3	28	10	US-09-911-935A-22	Sequence 22, Appl	C 799	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 727	17.2	0.3	30	9	US-10-217-914-3	Sequence 3, Appl	800	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 728	17.2	0.3	30	9	US-09-906-419-106	Sequence 106, Appl	C 801	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 729	17.2	0.3	31	9	US-09-864-795-2374	Sequence 27, Appl	C 802	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 730	17.2	0.3	31	9	US-09-927-161-27	Sequence 27, Appl	803	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 731	17.2	0.3	32	9	US-09-760-500A-52	Sequence 52, Appl	804	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 732	17.2	0.3	32	9	US-09-927-409A-52	Sequence 52, Appl	805	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 733	17.2	0.3	32	9	US-09-975-062A-52	Sequence 52, Appl	806	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 734	17.2	0.3	32	9	US-09-976-379A-52	Sequence 52, Appl	C 807	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 735	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	808	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 736	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	809	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 737	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	810	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 738	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	811	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 739	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	C 812	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 740	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	C 813	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 741	17.2	0.3	32	9	US-09-976-577-52	Sequence 52, Appl	814	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 742	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	815	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 743	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	816	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 744	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	C 817	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 745	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	818	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 746	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	819	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 747	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	820	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 748	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	C 821	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl
C 749	17.2	0.3	32	10	US-09-976-577-52	Sequence 52, Appl	822	17.2	0.3	17	9	US-09-843-676-132	Sequence 132, Appl

C 823	17	0.3	31	10	US-09-801-274-1126	Sequence 1126, Ap	896	17	0.3	45	10	US-09-861-292-6	Sequence 6, Appli
C 824	17	0.3	31	10	US-09-820-809-11	Sequence 11, Appl	C 897	17	0.3	45	10	US-09-861-292-7	Sequence 7, Appli
825	17	0.3	34	7	US-08-979-847-64	Sequence 64, Appl	C 898	17	0.3	46	9	US-10-085-108-5	Sequence 5, Appli
826	17	0.3	34	10	US-09-784-982-9	Sequence 9, Appli	C 899	17	0.3	46	9	US-09-977-418-86	Sequence 86, Appl
C 827	17	0.3	34	10	US-09-764-877-3947	Sequence 3947, Ap	C 900	17	0.3	47	10	US-09-769-352-2	Sequence 2, Appli
828	17	0.3	34	10	US-09-955-462A-2	Sequence 2, Appli	901	17	0.3	47	10	US-09-987-456-26	Sequence 26, Appl
829	17	0.3	35	9	US-09-886-242A-17	Sequence 17, Appl	902	17	0.3	48	9	US-10-102-949-1	Sequence 1, Appli
830	17	0.3	35	9	US-09-864-785-3813	Sequence 3813, Ap	C 903	17	0.3	48	9	US-09-903-359-4	Sequence 4, Appli
831	17	0.3	35	9	US-10-027-603-17	Sequence 17, Appl	C 904	17	0.3	48	9	US-10-083-815-23	Sequence 23, Appl
832	17	0.3	35	9	US-09-747-377-438	Sequence 438, App	905	17	0.3	48	9	US-09-997-868-45	Sequence 45, Appl
833	17	0.3	35	9	US-09-757-563-23	Sequence 23, Appl	906	17	0.3	48	10	US-09-790-399-2	Sequence 2, Appli
834	17	0.3	35	10	US-09-426-548-34	Sequence 34, Appl	C 907	17	0.3	49	9	US-09-944-413-89	Sequence 89, Appl
835	17	0.3	36	10	US-09-426-548-112	Sequence 112, App	C 908	17	0.3	49	9	US-09-922-598-427	Sequence 427, App
C 836	17	0.3	36	10	US-09-504-231A-1625	Sequence 1625, Ap	C 909	17	0.3	49	9	US-09-944-403-89	Sequence 89, Appl
837	17	0.3	36	10	US-09-504-231A-1878	Sequence 1878, Ap	C 910	17	0.3	49	9	US-09-944-896-89	Sequence 89, Appl
C 838	17	0.3	36	10	US-09-504-231A-2284	Sequence 2284, Ap	C 911	17	0.3	49	9	US-09-884-948-18	Sequence 18, Appl
C 839	17	0.3	36	10	US-09-274-553D-1625	Sequence 1625, Ap	C 912	17	0.3	49	9	US-09-944-944-89	Sequence 89, Appl
840	17	0.3	36	10	US-09-274-553D-1878	Sequence 1878, Ap	C 913	17	0.3	49	9	US-09-989-293A-427	Sequence 427, App
C 841	17	0.3	36	10	US-09-274-553D-2284	Sequence 2284, Ap	C 914	17	0.3	49	9	US-09-989-735-427	Sequence 427, App
C 842	17	0.3	36	10	US-09-935-247-4	Sequence 4, Appli	C 915	17	0.3	49	9	US-09-990-444-427	Sequence 427, App
C 843	17	0.3	36	10	US-09-935-247-5	Sequence 5, Appli	C 916	17	0.3	49	9	US-09-944-907-89	Sequence 89, Appl
844	17	0.3	36	10	US-09-899-569A-9	Sequence 9, Appli	C 917	17	0.3	49	9	US-09-944-929-89	Sequence 89, Appl
C 845	17	0.3	36	10	US-09-263-959-523	Sequence 523, App	C 918	17	0.3	49	9	US-09-989-730-427	Sequence 427, App
C 846	17	0.3	37	9	US-09-847-101B-21	Sequence 21, Appl	C 919	17	0.3	49	9	US-09-990-436-427	Sequence 427, App
C 847	17	0.3	38	9	US-09-864-785-821	Sequence 821, App	C 920	17	0.3	49	9	US-09-991-181-427	Sequence 427, App
848	17	0.3	38	9	US-10-125-635A-373	Sequence 373, App	C 921	17	0.3	49	9	US-09-993-687-427	Sequence 427, App
C 849	17	0.3	39	9	US-10-025-367-11	Sequence 11, Appl	C 922	17	0.3	49	9	US-09-989-734-427	Sequence 427, App
850	17	0.3	39	9	US-10-114-170-196	Sequence 196, App	C 923	17	0.3	49	9	US-09-997-653-427	Sequence 427, App
C 851	17	0.3	39	9	US-09-853-745-34	Sequence 34, Appl	C 924	17	0.3	49	9	US-09-796-679-15	Sequence 15, Appl
C 852	17	0.3	40	9	US-10-135-965-75	Sequence 75, Appl	C 925	17	0.3	49	9	US-09-993-667-427	Sequence 427, App
C 853	17	0.3	40	10	US-09-894-633A-74	Sequence 74, Appl	C 926	17	0.3	49	9	US-09-990-438-427	Sequence 427, App
854	17	0.3	41	9	US-10-038-723-56	Sequence 56, Appl	C 927	17	0.3	49	9	US-09-990-562-427	Sequence 427, App
C 855	17	0.3	41	9	US-10-043-573-51	Sequence 51, Appl	C 928	17	0.3	49	9	US-09-997-428-427	Sequence 427, App
C 856	17	0.3	41	10	US-09-823-648-1	Sequence 1, Appli	C 929	17	0.3	49	9	US-09-997-656-427	Sequence 427, App
857	17	0.3	42	9	US-09-978-295A-243	Sequence 243, App	C 930	17	0.3	49	9	US-09-981-803-16	Sequence 36, Appl
858	17	0.3	42	9	US-09-978-697-243	Sequence 243, App	C 931	17	0.3	49	9	US-09-990-711-427	Sequence 427, App
859	17	0.3	42	9	US-09-870-759-26	Sequence 26, Appl	C 932	17	0.3	49	9	US-09-989-726-427	Sequence 427, App
860	17	0.3	42	9	US-09-978-192A-243	Sequence 243, App	C 933	17	0.3	49	10	US-09-732-914-120	Sequence 120, App
861	17	0.3	42	9	US-09-999-832A-243	Sequence 243, App	C 934	17	0.3	49	10	US-09-866-028-89	Sequence 89, Appl
862	17	0.3	42	9	US-09-978-189-243	Sequence 243, App	C 935	17	0.3	49	10	US-09-989-722-427	Sequence 427, App
863	17	0.3	42	10	US-09-737-626A-3	Sequence 3, Appli	C 936	17	0.3	49	10	US-09-989-723-427	Sequence 427, App
C 864	17	0.3	43	9	US-09-185-934A-4	Sequence 4, Appli	C 937	17	0.3	49	10	US-09-989-279-427	Sequence 427, App
C 865	17	0.3	43	10	US-09-811-094-4	Sequence 4, Appli	C 938	17	0.3	49	10	US-09-989-727-427	Sequence 427, App
C 866	17	0.3	43	10	US-09-810-644-4	Sequence 4, Appli	C 939	17	0.3	49	10	US-09-982-864A-17	Sequence 17, Appl
C 867	17	0.3	43	10	US-09-897-006-14	Sequence 14, Appl	C 940	17	0.3	49	10	US-09-944-449-89	Sequence 89, Appl
868	17	0.3	43	10	US-09-897-006-36	Sequence 36, Appl	C 941	17	0.3	49	10	US-09-781-902-38	Sequence 38, Appl
869	17	0.3	44	10	US-09-880-578-12	Sequence 12, Appl	C 942	17	0.3	49	10	US-09-989-731-427	Sequence 427, App
870	17	0.3	44	10	US-09-924-439-3	Sequence 3, Appli	C 943	17	0.3	49	10	US-09-935-592-2	Sequence 2, Appli
871	17	0.3	45	9	US-09-793-139-6	Sequence 6, Appli	C 944	17	0.3	49	10	US-09-944-457-89	Sequence 89, Appl
C 872	17	0.3	45	9	US-09-905-291A-47	Sequence 47, Appl	C 945	17	0.3	49	10	US-09-978-274A-14	Sequence 14, Appl
C 873	17	0.3	45	9	US-09-938-744-1	Sequence 1, Appli	C 946	17	0.3	49	10	US-09-989-732-427	Sequence 427, App
C 874	17	0.3	45	9	US-09-902-853-47	Sequence 47, Appl	C 947	17	0.3	49	10	US-09-991-073-427	Sequence 427, App
C 875	17	0.3	45	9	US-09-907-824-47	Sequence 47, Appl	C 948	17	0.3	49	10	US-09-945-587-89	Sequence 89, Appl
C 876	17	0.3	45	9	US-09-907-841-47	Sequence 47, Appl	C 949	17	0.3	49	10	US-09-990-442-427	Sequence 427, App
C 877	17	0.3	45	9	US-09-904-011-47	Sequence 47, Appl	C 950	17	0.3	49	10	US-09-991-163-427	Sequence 427, App
C 878	17	0.3	45	9	US-09-906-742-47	Sequence 47, Appl	C 951	17	0.3	49	10	US-09-945-015-89	Sequence 89, Appl
C 879	17	0.3	45	9	US-09-906-838-47	Sequence 47, Appl	C 952	17	0.3	49	10	US-09-944-396-89	Sequence 89, Appl
C 880	17	0.3	45	9	US-09-907-613-47	Sequence 47, Appl	C 953	17	0.3	49	10	US-09-944-097-89	Sequence 89, Appl
C 881	17	0.3	45	9	US-09-907-942-47	Sequence 47, Appl	C 954	17	0.3	49	10	US-09-993-604-427	Sequence 427, App
C 882	17	0.3	45	9	US-09-904-820-47	Sequence 47, Appl	C 955	17	0.3	49	10	US-09-990-456-427	Sequence 427, App
C 883	17	0.3	45	9	US-09-904-859-47	Sequence 47, Appl	C 956	17	0.3	49	10	US-09-944-432-89	Sequence 89, Appl
C 884	17	0.3	45	9	US-09-909-204-47	Sequence 47, Appl	C 957	17	0.3	49	10	US-09-943-762-89	Sequence 89, Appl
C 885	17	0.3	45	9	US-09-904-786-47	Sequence 47, Appl	C 958	17	0.3	49	10	US-09-944-654-89	Sequence 89, Appl
C 886	17	0.3	45	9	US-09-906-646-47	Sequence 47, Appl	C 959	17	0.3	49	10	US-09-989-721-427	Sequence 427, App
C 887	17	0.3	45	9	US-09-906-700-47	Sequence 47, Appl	C 960	17	0.3	49	10	US-09-943-851A-89	Sequence 89, Appl
C 888	17	0.3	45	10	US-09-818-879-6	Sequence 6, Appli	C 961	17	0.3	49	10	US-09-996-561-18	Sequence 18, Appl
C 889	17	0.3	45	10	US-09-482-520-2	Sequence 2, Appli	C 962	17	0.3	50	9	US-09-905-291A-121	Sequence 121, App
890	17	0.3	45	10	US-09-211-755B-6	Sequence 6, Appli	C 963	17	0.3	50	9	US-10-066-500-93	Sequence 93, Appl
C 891	17	0.3	45	10	US-09-921-398-9	Sequence 9, Appli	C 964	17	0.3	50	9	US-09-953-499-13	Sequence 13, Appl
C 892	17	0.3	45	10	US-09-965-602-3	Sequence 3, Appli	C 965	17	0.3	50	9	US-09-902-853-121	Sequence 121, App
C 893	17	0.3	45	10	US-09-773-882-8	Sequence 8, Appli	C 966	17	0.3	50	9	US-09-907-824-121	Sequence 121, App
C 894	17	0.3	45	10	US-09-909-320-47	Sequence 47, Appl	C 967	17	0.3	50	9	US-09-907-841-121	Sequence 121, App
C 895	17	0.3	45	10	US-09-909-098B-47	Sequence 47, Appl	C 968	17	0.3	50	9	US-09-904-011-121	Sequence 121, App

```
C 969      17      0.3      50      9      US-09-906-742-121      Sequence 121, App
C 970      17      0.3      50      9      US-09-906-938-121      Sequence 121, App
C 971      17      0.3      50      9      US-09-907-613-121      Sequence 121, App
C 972      17      0.3      50      9      US-09-907-942-121      Sequence 121, App
C 973      17      0.3      50      9      US-10-011-931-24       Sequence 24, App
C 974      17      0.3      50      9      US-10-011-931-71       Sequence 71, App
C 975      17      0.3      50      9      US-10-002-796-93       Sequence 93, App
C 976      17      0.3      50      9      US-10-066-273-93       Sequence 93, App
C 977      17      0.3      50      9      US-10-066-494-93       Sequence 93, App
C 978      17      0.3      50      9      US-09-904-820-121      Sequence 121, App
C 979      17      0.3      50      9      US-09-904-859-121      Sequence 121, App
C 980      17      0.3      50      9      US-09-909-204-121      Sequence 121, App
C 981      17      0.3      50      9      US-09-904-786-121      Sequence 121, App
C 982      17      0.3      50      9      US-09-906-646-121      Sequence 121, App
C 983      17      0.3      50      9      US-09-906-700-121      Sequence 121, App
C 984      17      0.3      50      9      US-10-066-269-93       Sequence 93, App
C 985      17      0.3      50      10     US-09-874-547-7        Sequence 7, App
C 986      17      0.3      50      10     US-09-909-320-121      Sequence 121, App
C 987      17      0.3      50      10     US-09-909-088B-121     Sequence 121, App
C 988      16.8     0.3      20      10     US-09-955-410-4        Sequence 4, App
C 989      16.8     0.3      20      10     US-09-955-410-5        Sequence 5, App
C 990      16.8     0.3      21      9      US-10-103-480-4        Sequence 4, App
C 991      16.8     0.3      21      10     US-09-828-034-14       Sequence 14, App
C 992      16.8     0.3      24      9      US-10-081-817-15       Sequence 15, App
C 993      16.8     0.3      28      10     US-09-898-779-43       Sequence 43, App
C 994      16.8     0.3      28      10     US-09-811-093-11       Sequence 11, App
C 995      16.8     0.3      29      9      US-10-180-819-10       Sequence 10, App
C 996      16.8     0.3      29      9      US-09-470-776-26       Sequence 26, App
C 997      16.8     0.3      29      9      US-10-217-914-10       Sequence 10, App
C 998      16.8     0.3      29      9      US-09-888-326-131      Sequence 131, App
C 999      16.8     0.3      29      10     US-09-946-678-22       Sequence 22, App
1000      16.8     0.3      30      8      US-09-894-808-8        Sequence 8, App
```

ALIGNMENTS

```
RESULT 1
US-09-801-274-92
; Sequence 92, Application US/09801274
; Patent No. US20020032319A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele
; APPLICANT: Ireland, James S.
; APPLICANT: Lander, Eric S.
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: 2825 2004-001
; CURRENT APPLICATION NUMBER: US/03/801,274
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 60/187,510
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: US 60/206,129
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 1802
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-801-274-92
```

```
Query Match      0.6%; Score 30.6; DB 10; Length 31;
Best Local Similarity 96.8%; Pred. No. 6.4e+02;
Matches 30; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Cy 1573 GAGACAAAGTTTATGTTGCTGCTTACCACT 1703
      |||||
Db 1 GAGACAAAGTTTATGTTGCTGCTTACCACT 31
```

```
RESULT 2
US-09-801-274-93
; Sequence 93, Application US/09801274
```

```
; Patent No. US20020032319A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele
; APPLICANT: Ireland, James S.
; APPLICANT: Lander, Eric S.
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: 2825 2004-001
; CURRENT APPLICATION NUMBER: US/03/801,274
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 60/187,510
; PRIOR FILING DATE: 2000-03-07
; PRIOR APPLICATION NUMBER: US 60/206,129
; PRIOR FILING DATE: 2000-05-22
; NUMBER OF SEQ ID NOS: 1802
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 93
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-801-274-93
```

```
Query Match      0.6%; Score 30.6; DB 10; Length 31;
Best Local Similarity 96.8%; Pred. No. 6.4e+02;
Matches 30; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Cy 2317 GGTACGGGCGAGTGGCCATTCCACGTTTAA 2347
      |||||
Db : GGTACGGGCGAGTGGCCATTCCACGTTTAA 31
```

```
RESULT 3
US-09-263-959-486
; Sequence 486, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH USE
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCYET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 692-6031
; INFORMATION FOR SEQ ID NO. 486:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-486
```

```
Query Match      0.5%; Score 28.8; DB 10; Length 45;
Best Local Similarity 82.5%; Pred. No. 2e+03;
```


Matches 33; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3116 CTTCTTCTCTCCCTTCCTTTTGTGTTTTTTT 3155
| | | | | | | | | | | | | | | | | | | |
Db 6 CTTTCTTCTCTTCCTTTTGTGTTTTTTTCTTT 45
| | | | | | | | | | | | | | | | | | | |

RESULT 4

US-09-815-343-1012
; Sequence 1012, Application US/09815343
; Patent No. US20010055596A1
; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1012
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-815-343-1012

Query Match 0.5%; Score 27.8; DB 10; Length 50;
Best Local Similarity 82.1%; Pred. No. 3.6e+03;
Matches 32; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCTCCCTTCCTTTTGTGTTTTTTT 3155
| | | | | | | | | | | | | | | | | | | |
Db 1 TTTTCTTTTCTCTTCCTTTTGTGTTTTTTTCTA 39
| | | | | | | | | | | | | | | | | | | |

RESULT 5

US-09-783-590-6670
; Sequence 6670, Application US/09783590
; Patent No. US20020110850A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Haseltine, William A.
; APPLICANT: Li, Haodong
; APPLICANT: Rosen, Craig A.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 16.2
; FILE REFERENCE: PQ-16.2C1
; CURRENT APPLICATION NUMBER: US/09/783,590
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 08/420,856
; PRIOR FILING DATE: 1995-04-12
; PRIOR APPLICATION NUMBER: 08/346,731
; PRIOR FILING DATE: 1994-11-21
; NUMBER OF SEQ ID NOS: 12485
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6670
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (5)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-783-590-6670

Query Match 0.5%; Score 27.6; DB 10; Length 50;
Best Local Similarity 88.2%; Pred. No. 4e+03;
Matches 30; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3126 CCTTCCTTTTGTGTTTTTTTAAAGA 3159
| | | | | | | | | | | | | | | | | | | |

Db 9 CCTTTTCTTTTCTTTTCTTTTCTTTTAAAAA 42

RESULT 6

US-09-827-289-22
; Sequence 22, Application US/09827289
; Patent No. US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION: Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: P1 primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-22

Query Match 0.5%; Score 27.2; DB 10; Length 46;
Best Local Similarity 80.0%; Pred. No. 4.7e+03;
Matches 32; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCTTCCTTTTGTGTTTTTTTCTA 3156
| | | | | | | | | | | | | | | | | | | |
Db 1 TTTTCTTTTCTCTTCCTTTTGTGTTTTTTTCTA 40
| | | | | | | | | | | | | | | | | | | |

RESULT 7

US-09-827-289-26
; Sequence 26, Application US/09827289
; Patent No. US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION: Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: P1 primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-26

Query Match 0.5%; Score 27.2; DB 10; Length 46;
Best Local Similarity 80.0%; Pred. No. 4.7e+03;
Matches 32; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 3117 TTCTTTCTCTTCCTTTTGTGTTTTTTTCTA 3156
| | | | | | | | | | | | | | | | | | | |
Db 1 TTTTCTTTTCTCTTCCTTTTGTGTTTTTTTCTA 40
| | | | | | | | | | | | | | | | | | | |

RESULT 8

US-09-263-959-591
; Sequence 591, Application US/09263959
; Patent No. US20020150891A1

```

;
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.42602
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 591:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-263-959-591
```

```

Query Match 0.5%; Score 26.6; DB 10; Length 41;
Best Local Similarity 78.0%; Pred. No. 6e+03;
Matches 32; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

```

QY 4866 TTGGGGTTTTGGGTTTATTTGTTGTTGTTGTTGTTATTTGTTAT 4900
Db 1 TTTGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTT 41
```

```

RESULT 9
US-09-827-289-24
; Sequence 24, Application US/09827289
; Patent No. US2002009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricio
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION: Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: US 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 24
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence. Fl primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-24
```

```

Query Match 0.5%; Score 26.4; DB 10; Length 46;
Best Local Similarity 75.0%; Pred. No. 7.1e+03;
Matches 33; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```

QY 3132 TTTTTCCTTTTGTGTTTTCCTGAGAGCCTGTGATAGTTACT 3175
Db 3 TTTTTCCTTTTGTGTTTTCCTGAGAGCCTGTGATAGTTACT 46
```

```

RESULT 10
US-09-828-034-1/c
; Sequence 1, Application US/09828034
; Patent No. US20020064771A1
; GENERAL INFORMATION:
; APPLICANT: Zhong, Weidong
; APPLICANT: Hong, Zhi
; APPLICANT: Ferrari, Eric
; TITLE OF INVENTION: HCV REPLICASE COMPLEXES
; FILE REFERENCE: IN01165
; CURRENT APPLICATION NUMBER: US/09/828,034
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: U.S. 60/195,952
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 40
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-1
```

```

Query Match 0.5%; Score 24.4; DB 10; Length 40;
Best Local Similarity 90.3%; Pred. No. 7.1e+03;
Matches 28; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
```

```

QY 3125 TCCITTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTT 3155
Db 31 TCCITTCCTTTTTCCTTTTTCCTTTTTCCTTTTTCCTTTT 1
```

```

RESULT 11
US-09-896-856-5/c
; Sequence 5, Application US/09896856
; Patent No. US20020137189A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Joffre
; Chien, Kenneth
; King, Kathleen
; Pennica, Diane
; Wood, William
; TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/896,856
; FILING DATE: 29-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/733,850
; FILING DATE: 18-OCT-1996
; APPLICATION NUMBER: US 08/471,112
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: 08/233,609
```

RESULT 15
US-09-827-289-18

Wood, William
TITLE OF INVENTION: Cardiac Hypertrophy Factor and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1 44 Mb floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/89/896,856
FILING DATE: 29-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/89/896,856

? FILING DATE: 18-OCT-1996
 ? APPLICATION NUMBER: US 08/471,112
 ? FILING DATE: 06-JUN-1995
 ? AFFLICATION NUMBER: 08/233,609
 ? FILING DATE: 25-APR-1994
 ? APPLICATION NUMBER: 08/286304
 ? FILING DATE: 05-AUG-1994
 ? APPLICATION NUMBER: 08/443120

```

;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Conley, Deirdre L.
; REGISTRATION NUMBER: 36,487
; REFERENCE/DOCKET NUMBER: P0894P1D2C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-2066
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
;
; INFORMATION FOR SEQ ID NO: 5:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-896-856-5

Query Match      0.5%; Score 25.6; DB 10; Length 50;
Best Local Similarity 87.5%; Pred No 1 1e+04;
Matches 28; Conservative 0; Mismatches 4; Indels 0; Gaps

```

RESULT 18
US-09-836-077-19
; Sequence 19, Application US/09836077
; Patent No US20020037851A1
; GENERAL INFORMATION:
; APPLICANT: ELECKENSTEIN, DEBBORA

; TITLE OF INVENTION: HUMAN SEMAPHORIN L (H-SEMAL) AND
 ; CORRESPONDING SEMAPHORINS IN OTHER SPECIES
 ;
 ; NUMBER OF SEQUENCES: 44
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: Frommer Lawrence & Haug LLP
 ; STREET: 745 Fifth Avenue
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10151


```
; LENGTH: 40 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: single
;
; TOPOLOGY: linear
;
```

; APPLICANT: HUNTER, FIONA F.
 ; APPLICANT: BIDOCHKA, MICHAEL J.
 ; TITLE OF INVENTION: ISOLATED C8000
 ; TITLE OF INVENTION: ENCODING SUCH

```

; FILE REFERENCE: 1468-001A
; CURRENT APPLICATION NUMBER: US/09/894,916
; CURRENT FILING DATE: 2001-06-28
; PRICE APPLICATION NUMBER: 60214000

```

```

; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Simulium vittatum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (44)..(45)
; OTHER INFORMATION: n can be any of A, T, G or C
US-09-894-916-3

```

RESULT 25
US-09-827,289-21/c
, Sequence 21, Application US/09827289
; Patent No. US20020009716A1

```

; PATENT NO.: US20020009716A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Abarzua, Patricio
;
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
;
; TITLE OF INVENTION: Extension

```

```

; FILE REFERENCE: 459299-55
; CURRENT APPLICATION NUMBER: US/03/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION Description of Artificial Sequence: Primer for
; OTHER INFORMATION use in allele discrimination
US-09-827-289-21

```

Query Match	0.5%;	Score 24.8;	DB 10;	Length 46;
Best Local Similarity	80.6%;	Pred. No. 1.6e+04;		
Matches 29;	Conservative	0;	Mismatches 7;	Indels 0;
QY	1235	AAAGGAAAAAACAACAAAAACAAAAAACCACAA	1270	


```
Db 37 AAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2

RESULT 26
US-09-827-289-25/c
; Sequence 25, Application US/09827289
; Patent No. US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: P1 primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-25
Query Match 0.5%; Score 24.8; DB 10; Length 46;
Best Local Similarity 80.6%; Pred No 1 6e+04;
Matches 29; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1235 AAAGGAAAAAAAAACAAACAAACAAACAAACAAACCCAA 1270
Db 37 AAATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2

RESULT 27
US-09-920-581-9
; Sequence 9, Application US/09920581
; Patent No. US20020151073A1
; GENERAL INFORMATION:
; APPLICANT: Christensen, Tove
; TITLE OF INVENTION: A Transcription Factor
; FILE REFERENCE: 4484.204-US
; CURRENT APPLICATION NUMBER: US/09/920,581
; CURRENT FILING DATE: 2001-08-01
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: PCT/DK97/00305
; PRIOR FILING DATE: 1997-07-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-920-581-9
Query Match 0.5%; Score 24.6; DB 10; Length 41;
Best Local Similarity 76.9%; Pred. No. 1.7e+04;
Matches 30; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 3117 TTCTTCTCCTTCCTTTTCTTTTCTTTTCTTTTCTTTT 3155
Db 1 TTTGTAGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 39

RESULT 28
US-09-828-034-2/c
; Sequence 2, Application US/09828034
```

```
; Patent No. US20020064771A1
; GENERAL INFORMATION:
; APPLICANT: Zhong, Weidong
; APPLICANT: Hong, Zhi
; APPLICANT: Ferrari, Eric
; TITLE OF INVENTION: HCV REPLICASE COMPLEXES
; FILE REFERENCE: IN01165
; CURRENT APPLICATION NUMBER: US/09/828,034
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: U.S. 60/195,852
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 36
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
US-09-828-034-2
Query Match 0.5%; Score 24.4; DB 10; Length 36;
Best Local Similarity 82.4%; Pred. No. 1.8e+04;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 3120 TTCTTCTCCTTCCTTTTCTTTTCTTTTCTTTTCTTTT 3153
Db 36 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 3

RESULT 29
US-09-876-235-12
; Sequence 12, Application US/09876235
; Publication No. US20030022236A1
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING PNA-PROTEIN
; FILE REFERENCE: 00786/350005
; CURRENT APPLICATION NUMBER: US/09/876,235
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/247,190
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/035,963
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-01-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/064,491
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-11-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/007,005
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 42
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
US-09-876-235-12
Query Match 0.5%; Score 24.4; DB 9; Length 42;
Best Local Similarity 82.4%; Pred. No. 1.9e+04;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1235 AAAGGAAAAAAAAACAAACAAACAAACAAACAAACCC 1268
Db 9 AACUGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAC 42

RESULT 30
US-09-827-289-14/c
; Sequence 14, Application US/09827289
```

```
; Patent No US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver 2.1
; SEQ ID NO 14
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: P1 primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-14

Query Match      0.5%; Score 24.4, DB 10, Length 45;
Best Local Similarity 82.4%; Pred. No. 2e+04,
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1232 TGCAAAAGCAAAAAACCAAAACAACCAAAAACAAAAA 1265
    ||| ||||| |||| | |||| | |||| | |||| |
Db 37 TGAACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA 4

RESULT 31
US-09-827-289-18/c
; Sequence 18, Application US/09827289
; Patent No US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: U.S. 60/194843
; PRIOR FILING DATE: 2000-04-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 18
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: P1 primer for
; OTHER INFORMATION: use in allele discrimination
US-09-827-289-18

Query Match      0.5%; Score 24.4, DB 10, Length 45,
Best Local Similarity 82.4%; Pred. No. 2e+04;
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1232 TGCAAAAGCAAAAAACCAAAACAACCAAAAACAAAAA 1265
    ||| ||||| |||| | |||| | |||| | |||| |
Db 37 TGAACAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA 4

RESULT 32
US-09-827-289-21
; Sequence 21, Application US/09827289
; Patent No. US20020009716A1
; GENERAL INFORMATION:
; APPLICANT: Abarzua, Patricia
; TITLE OF INVENTION: Process for Allele Discrimination Using Primer
; TITLE OF INVENTION Extension
; FILE REFERENCE: 469290-55
; CURRENT APPLICATION NUMBER: US/09/827,289
```


	3124	TTCCTTCCTTTTTTTTTTTTTTTTTTTTTTTTT	3155
Qy		{ } { } { } { } { } { } { } { } { } { }	
Dd	35	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	4

RESULT 39

```

US-09-876-235-12/c
; Sequence 12, Application US/09876235
; Publication No. US200902236A1
; GENERAL INFORMATION.
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihc
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
; TITLE OF INVENTION. FUSIONS
; FILE REFERENCE. 00786/350005
; CURRENT APPLICATION NUMBER: US/09/876,235
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMP. EARLIER APPLICATION NUMBER: 09/247,190
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-09
; PRIOR APPLICATION NUMP. EARLIER APPLICATION NUMBER. 60/035,963
; PRIOR FILING DATE. EARLIER FILING DATE. 1997-01-21
; PRIOR APPLICATION NUMBER. EARLIER APPLICATION NUMBER: 60/064,491
; PRIOR FILING DATE. EARLIER FILING DATE: 1997-11-06
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/007,005
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE. FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 42
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
US-09-876-235-12

```

Query Match	0.4%	Score 24, DB 3, Length 12;
Best Local Similarity	84.4%	Prod. No. 2.4e+04;
Matches 27; Conservative	0;	Mismatches 5; Indels 0; Gaps 0;

QY 3132 TTTTCTTTTTTGTTGTTTTTTTAAAGAGCCT 3163
||||| ||||| ||||| ||||| ||||| |||||
Db 37 TTTTCTTTTTTTTTTTTTTTTTTCAGTTCGT 6

RESULT 40

```

US-09-838-386-17/c
; Sequence 17, Application US/09838386
; Patent No. US20010055756A1
; GENERAL INFORMATION:
; APPLICANT: Pellerin, Charles
; APPLICANT: Kukulj, George
; TITLE OF INVENTION: Internal De No. US20010055756A1o Initiation Sites of the HCV NS5B
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 1011 2180001
; CURRENT APPLICATION NUMBER: US/09/838,386
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: US 60/198,793
; PRIOR FILING DATE: 2000-04-21
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 45
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: oligonucleotide
US-09-838-386-17
Query Match 0.48; Score 24; DB 10; Length 45;
Best Local Similarity 94.48; Pred. No. 2.5e+04;

```